THE ELECTRIC STORAGE BATTERY CO.

MANUFACTURER OF THE

TRADE MARK

"Chloride Accumulator"

REGISTERED SEPTEMBER 11, 1894

General Offices and Works: Allegheny Avenue and Nineteenth Street

PHILADELPHIA, PA.

Price List A

1906

Sixth Edition

COPYRIGHT, 1906, BY THE ELECTRIC STORAGE BATTERY CO.

THE ELECTRIC STORAGE BATTERY COMPANY has acquired all the patents and patent rights concerning the manufacture of electric storage batteries heretofore owned or controlled by

The General Electric Company

The Edison Electric Light Company

The Thomson-Houston Electric Company

The Brush Electric Company

The Accumulator Company

The Consolidated Electric Storage Company

The General Electric Launch Company

The Bradbury-Stone Electric Storage Company

The Hopedale Electric Company

The Pumpelly-Sorley Battery Company

The Planté Company

The Accumulatoren-Fabrik Aktien-Gesellschaft
(The Tudor Company)

Thereby securing to itself the sole right to supply, in the United States and Canada, storage batteries of all the various important types heretofore developed

THE ELECTRIC STORAGE BATTERY CO.

MANUFACTURER OF THE

TRADE MARK

"Chloride Accumulator"

REGISTERED SEPTEMBER 11, 1894

General Offices and Works: Allegheny Avenue and Nineteenth Street

Philadelphia, Pa.

SALES OFFICES

Philadelphia, Allegheny Avenue and Nineteenth Street

New York, 100 Broadway

St. Louis, Wainwright Building

Boston, 60 State Street

Cleveland, Citizen's Building

Chicago, Marquette Building

Pittsburgh, Frick Building Annex

Oakland, Cal., 525 Thirteenth Street

Canada: The Canadian General Electric Co., Ltd., Toronto

COPYRIGHT 1906, BY THE ELECTRIC STORAGE BATTERY CO.

ALLIED COMPANIES

For the Manufacture of the

"Chloride Accumulator"

THE ELECTRIC STORAGE BATTERY CO.

General Offices and Works: Allegheny Avenue and Nineteenth Street
PHILADELPHIA, PA., U. S. A.

The Chloride Electrical Storage Company, Limited

Office: 39 Victoria Street, Westminster, S. W., London, Eng.

Works: Clifton Junction, Manchester, Eng.

Registered Office: Clifton Junction, Manchester, Eng.

Accumulatoren-Fabrik Aktien-Gesellschaft

(The Tudor Company)

Office: Luisenstrasse 31 A, Berlin, N. W., Germany

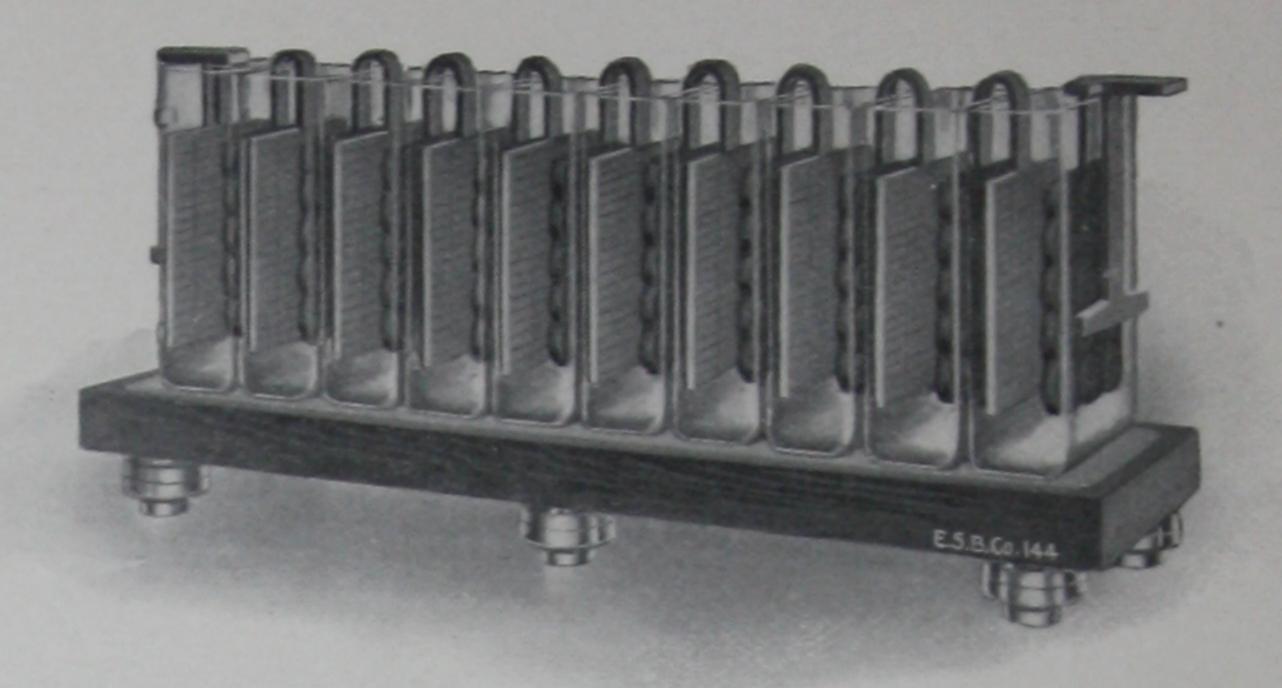
Works: Hagen, Westphalia

Battery Company of all the basic patents and patent rights underlying the manufacture of storage batteries, and the subsequent acquirement of patents and patent rights for new and valuable types, enable this Company to furnish cells adapted to every requirement of standard or special work.

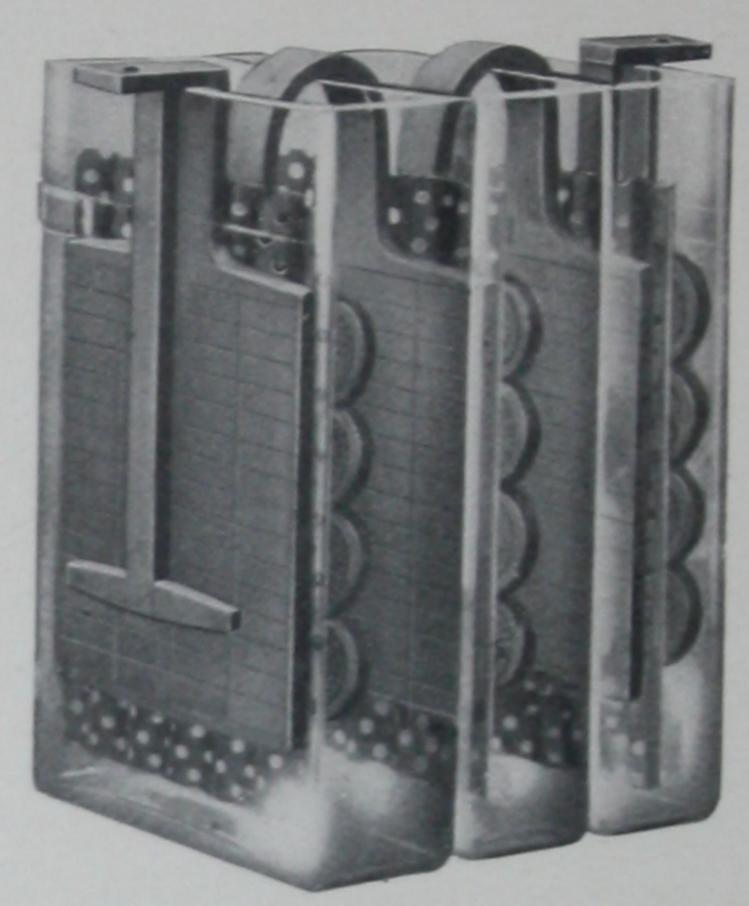
The alliance existing between The Electric Storage Battery Company and the largest manufacturers of storage batteries in England and Germany, secures to this Company the experience of the highest engineering talent available in this special field of electrical manufacture.

The value to the public of this united effort to perfect storage battery practice cannot be overestimated, and The Electric Storage Battery Company's products represent the most modern type of accumulator, possessing the highest efficiency, the longest life and most perfect mechanical methods of construction.

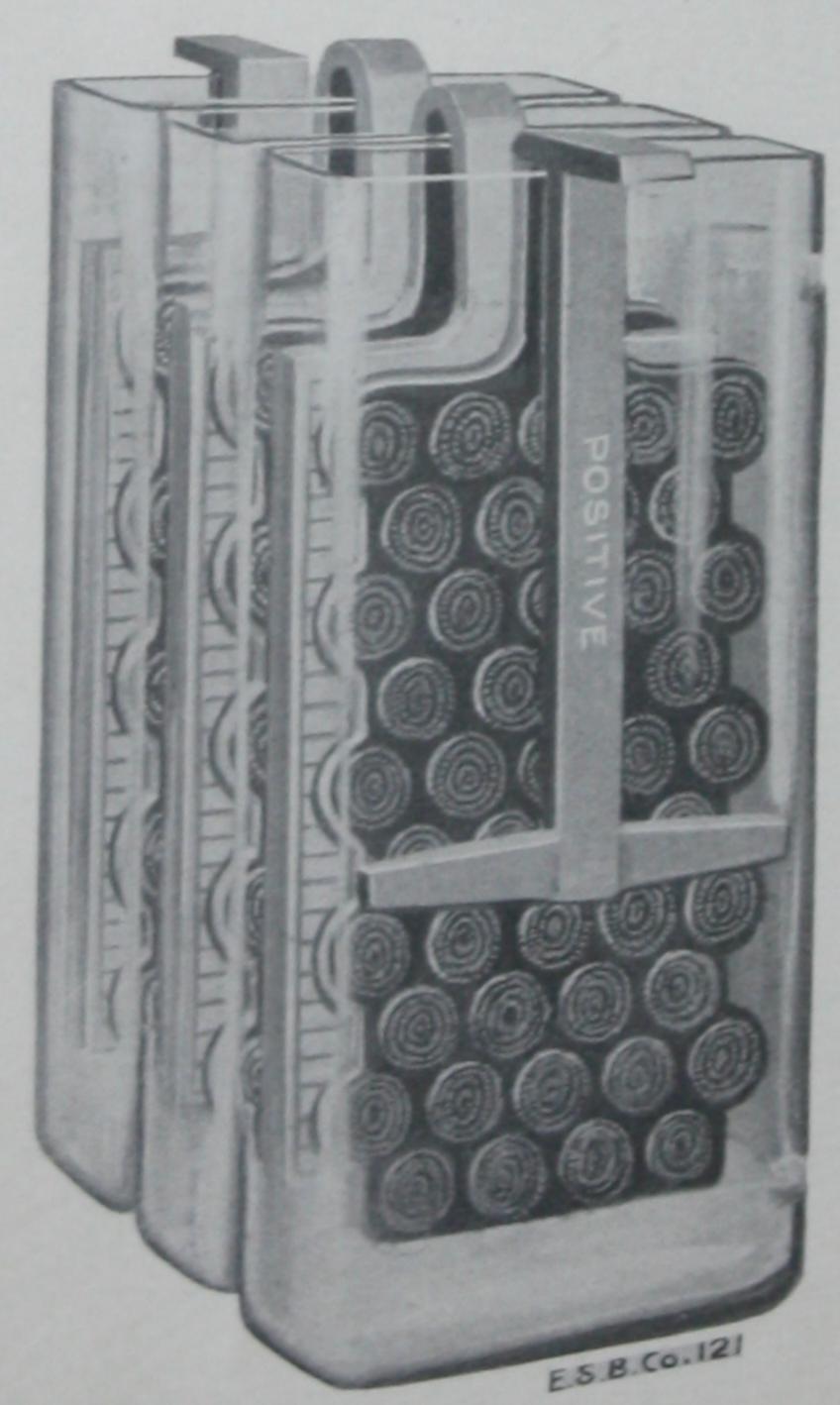
The Electric Storage Battery Company owns the patents covering the applications of boosters, cell switches and other auxiliaries to storage battery installations, and has developed types of such apparatus best suited to meet the requirements of the various conditions under which storage batteries are operated.



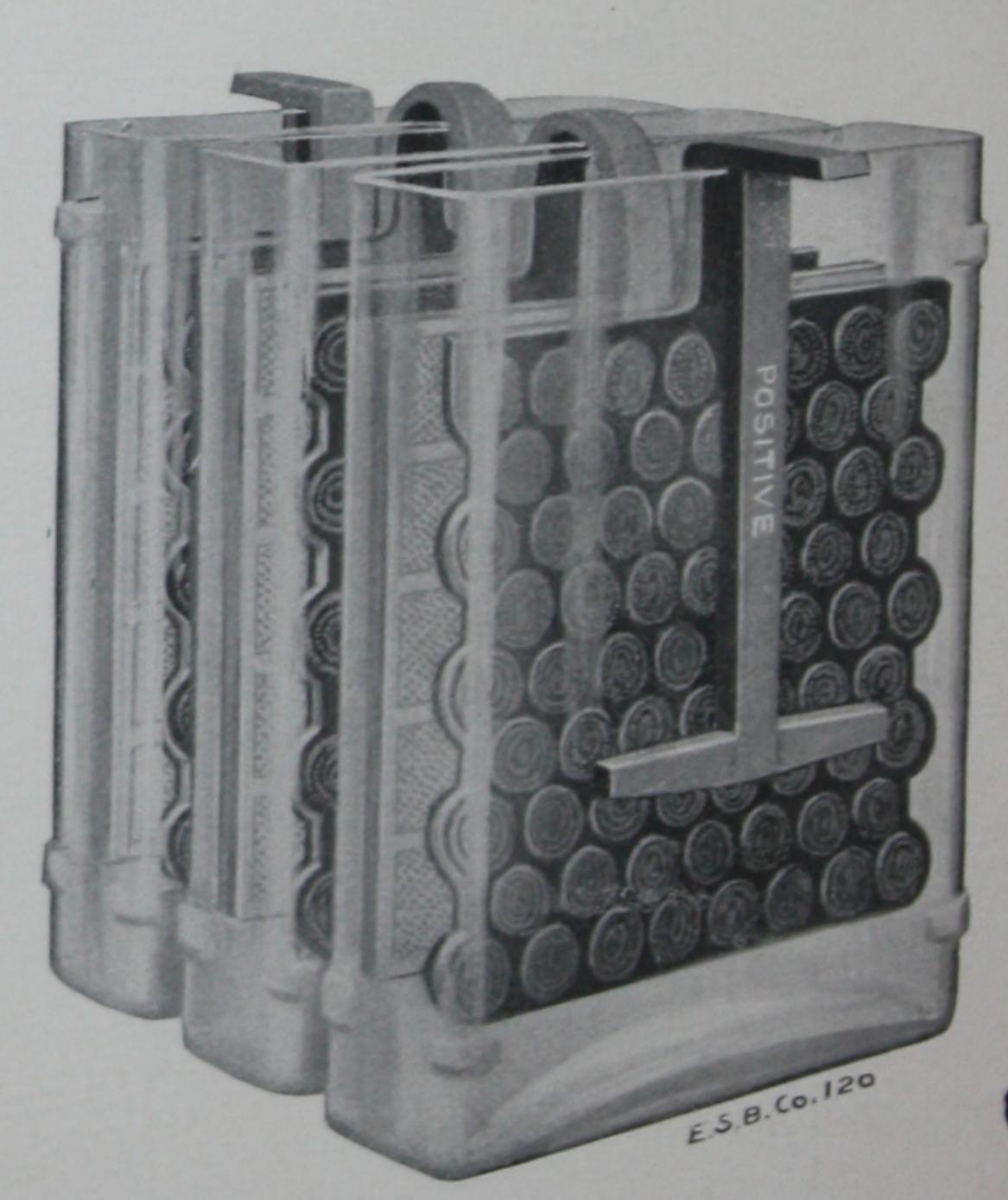
10 "CT" Couples on Sand Tray



"BT" Couples in Glass Jars



"PT" Couples in Glass Jars



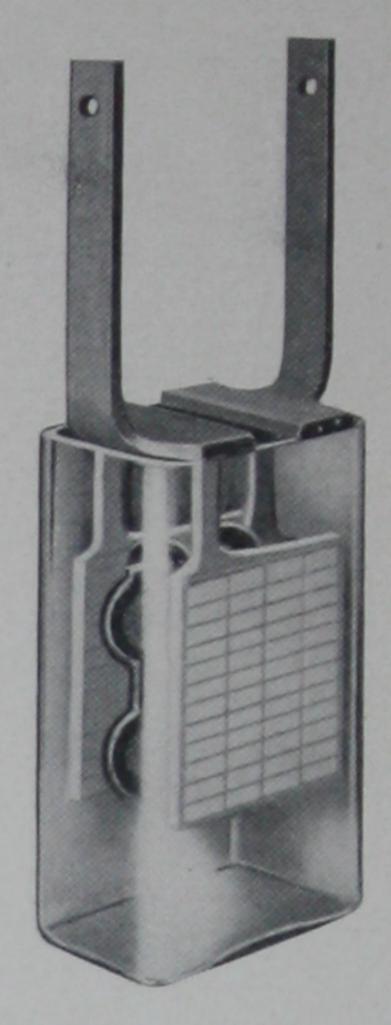
"ET" Couples in Glass Jars

The voltage of cells of all capacities is slightly above two volts on open circuit, and during discharge at the 8-hour rate varies from that point at the beginning to 1.75 volts at the end.

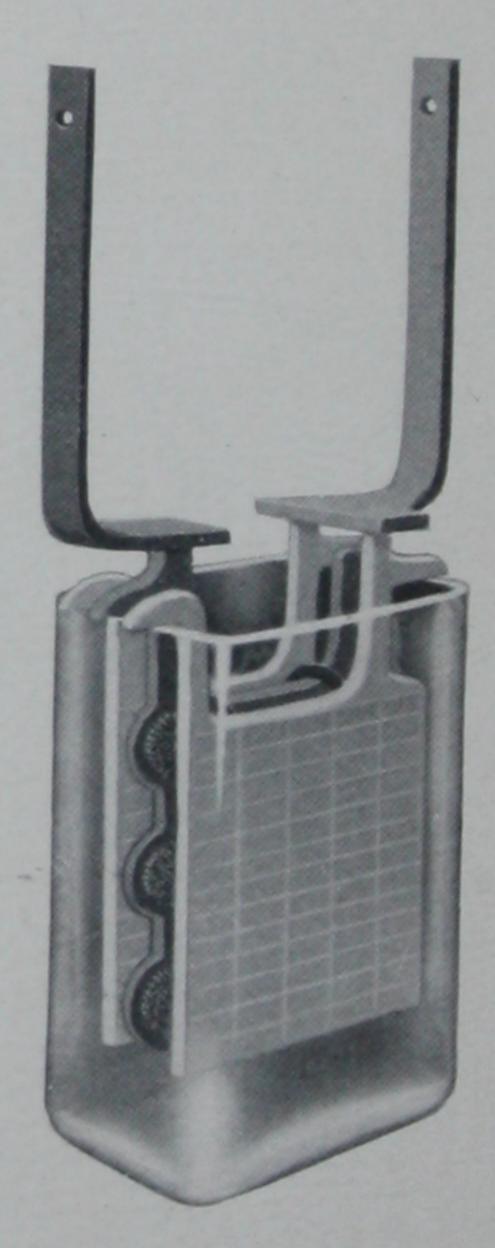
ELEMENTS OF TWO PLATE TYPES

	"Cbloride !	Accumulator	,,,		
Туре		BT	CT	PT	ET
Size of plates in inche	s	4 x 3	5 x 5	8¾ x 5	73/4 x 73/4
Number of plates		2	2	2	2
	For 8 hours	3/4	11/2	3	41/2
Discharge in amperes	5 "	1	2	41/4	6 1/2
	3 "	11/2	3	6	9
Normal charge rate		3/4	11/2	3	41/2
	Length	13/4	21/4	21/2	21/4
Outside measurement of glass jar, in inches:	Width	33/4	61/4	6	83/4
menes.	Height	63/4	8	12	11
	Length	1 1/2	2	2	2
Outside measurement of rubber jar, in inches	Width	33/4	5 5/8	5 5/8	8 7 6
memes	Height	61/2	8	121/4	11
Weight of electrolyte in pounds:	n glass jar,	ORAGE BAT	21/4	41/2	5 1/2
Weight of electrolyte in pounds:	n rubber jar, }	1/2	2	21/2	43/4
Weight of cell complete, lyte in rubber jar, in p	with electro- }	21/2	53/4	93/4	141/4
Height of cell to top of l	ug, in inches,	7	81/4	121/4	11 5
Price, element only .	\$	0.90	1.75	2.60	3.50
Price glass jar, extra.	\$	0.25	0.35 7	0.60 7	0.75
Price, rubber jar and co	ver, extra.\$	0.65	1.10	1.75	2.05

N. B.—In ordering Elements, or parts thereof, specify whether intended for glass or rubber jars. See pages 27 and 28 for prices of Connectors, Electrolyte, etc.



Type "B" 3 Plates in Glass Jar

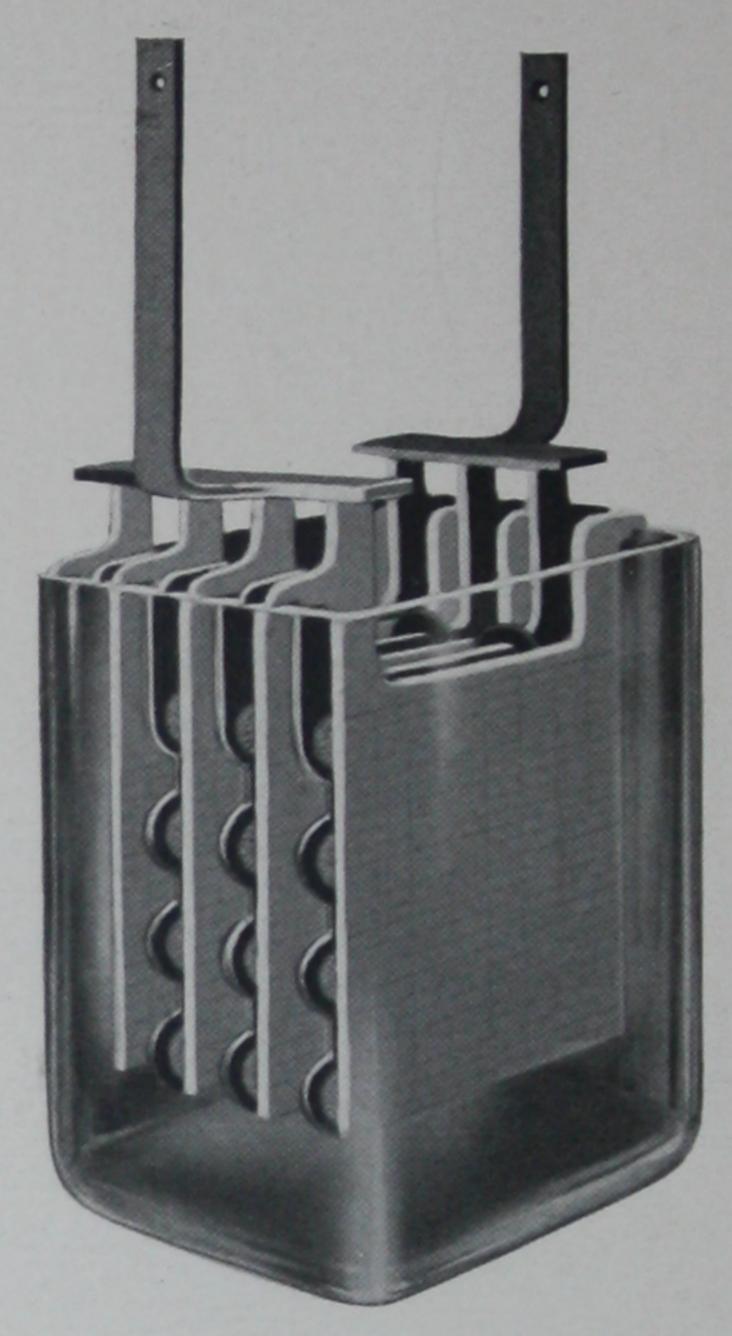


Type "C" 3 Plates in Glass Jar

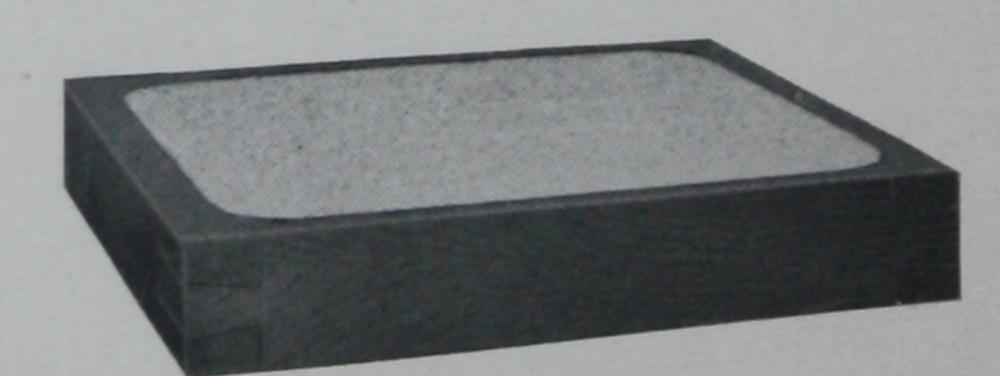
ELEMENTS OF TYPES "B" AND "C"

	"Cbloride !	Accumulator	.,,		
TYPE		В		С	
Size of plate in inches		3 x 3		43/8 x 4	
Number of plates .		3	3	5	7
	For 8 hours	5/8	11/4	21/2	33/4
Discharge in amperes	5 "	7/8	13/4	31/2	51/4
	3 "	11/4	21/2	5	7 1/2
Normal charge rate .		5/8	11/4	21/2	33/4
	Length	21/2	3 1/2	41/4	51/4
Outside measurement of glass jar, in	Width	4	51/4	51/4	51/4
inches:	Height	4½ 5½ 6½	71/4	71/4	71/4
0	Length	13/4	13/4	23/4	37/8
Outside measurement of rubber jar, in inches:	Width	3 5/8	41/2	41/2	4 1/2
	Height	5	7	7	7
Weight of electrolyte in pounds:	glass jar,	PRAGE BATTI	31/4	41/4	51/2
Weight of electrolyte in in pounds:	rubber jar, }	1/2	1 1/2	21/4	23/4
Weight of cell complete,	with electro- }	31/2	6 1/2	10	13
Height of cell to top inches:		7½ 9½ 11½	15	15	15
Price, element only	\$	1.50	2.25	3.50	5.00
Price glass jar, extra .	\$	0.15 7	0.157	0.25 7	0.30
Price, rubber jar and cov		-	+		

N. B.—In ordering Elements, or parts thereof, specify whether intended for glass or rubber jars. See pages 27 and 28 for prices of Connectors, Electrolyte, etc.



Type "D" 7 Plates in Glass Jar



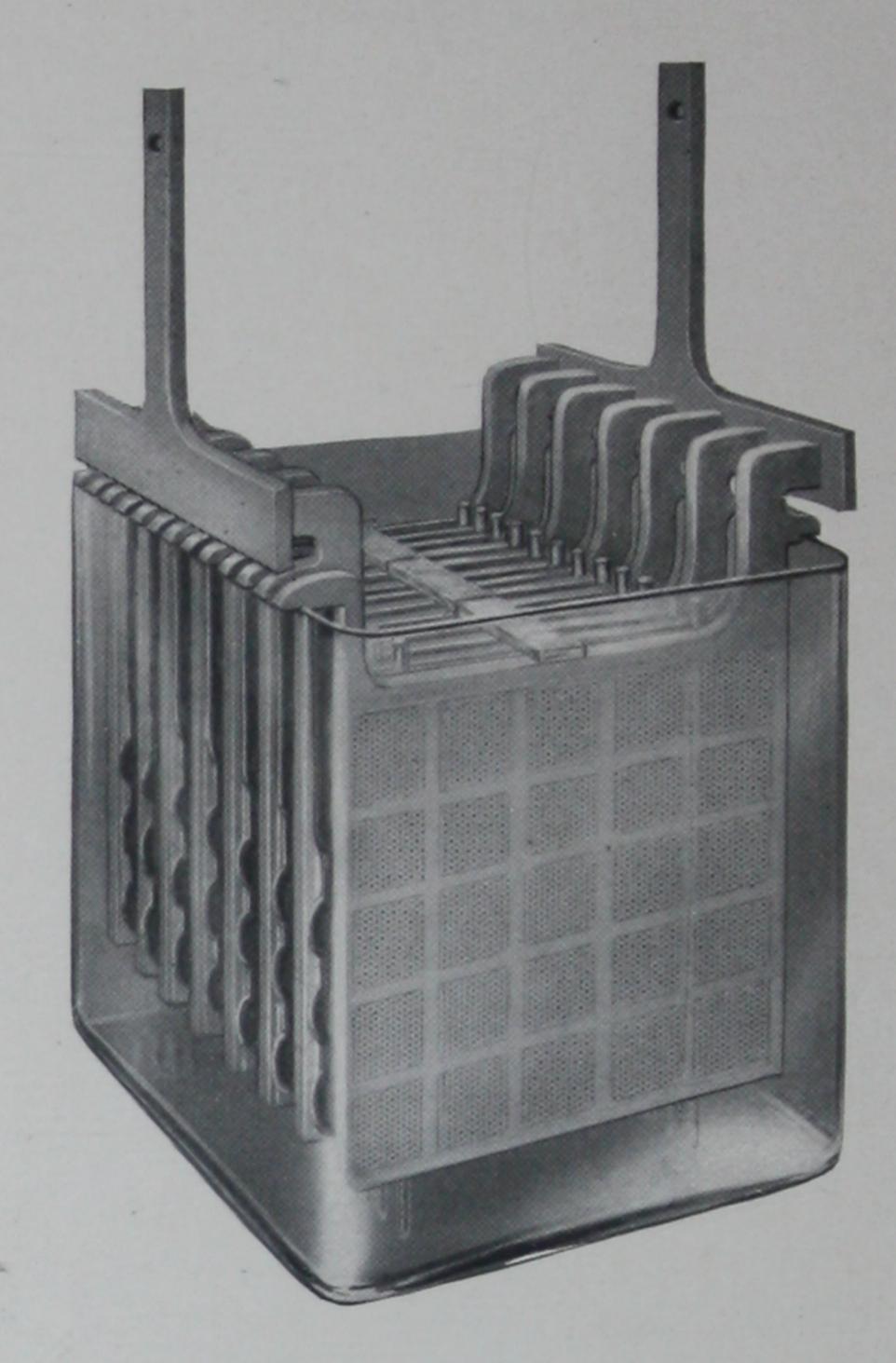
Type "D" Wood Sand Tray

ELEMENTS OF TYPE "D"

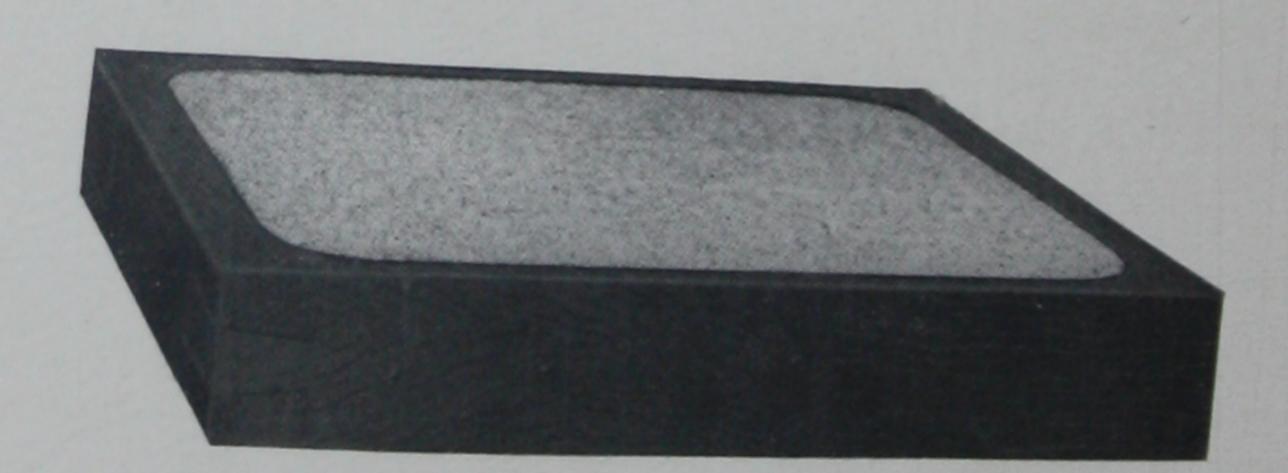
Size of Plates, 6 inches by 6 inches

	"Cbloride	Accumi	lator "				
Number of plates		3	5	7 .	9	11	13
	For 8 hours	21/2	5	7 1/2	10	121/2	15
Discharge in amperes	5 "	31/2	7	101/2	14	171/2	21
	3 "	5	10	15	20	25	30
Normal charge rate .		21/2	5	71/2	10	12½	15
0	Length	31/4	434	61/2	834	834	11
Outside measurement of glass jar, in inches:	Width	77/8	77/8	77/8	8	8	814
	Height	91/2	91/2	91/2	91/2	91/2	91/2
Outside measurement	Length	134	234	37/8	5	61/8	714
of rubber jar, in inches:	Width	61/2	61/2	61/2	61/2	61/2	61/2
	Height				9	9	9
Weight of electrolyte in pounds:	n glass jar, }	71/2	10½	15	1734	17.14	21
Weight of electrolyte in in pounds:	rubber jar, }	21/2	334	514	634	734	10
Weight of cell complete, lyte in glass jar, in po		20	28	38	48	53	63
Weight of cell complete, lyte in rubber jar, in p	with electro- }	12	18½	241/2	321/2	3934	47 1/4
Height of cell to top of la	ug, in inches,	18	18	18	18	18	18
Price, element only .	\$	3.25	5.00	6.75	8.50	10.25	12.00
Price, glass jar, extra.	\$	0.65	0.80?	1.207	1,50	1.50	2.25
Price, rubber jar and co	over, extra, \$	1.45 /	1.79	1.90	2.70	3.10	3.95

N. B.—In ordering Elements, or parts thereof, specify whether intended for glass or rubber jars. See pages 27 and 28 for prices of Connectors, Electrolyte, etc.



Type "E" 13 Plates in Glass Jar



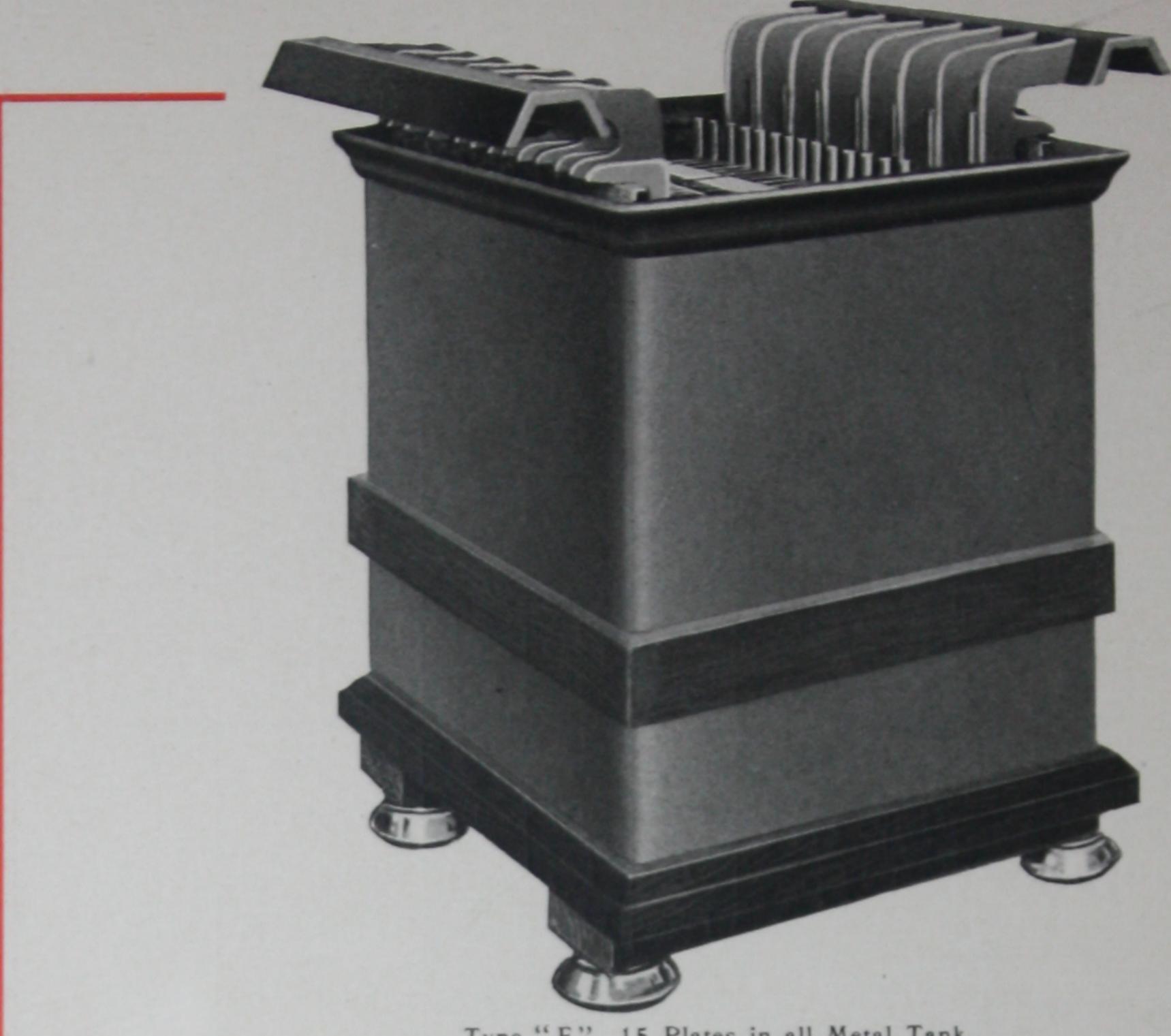
Type "E" Wood Sand Tray

ELEMENTS OF TYPE "E"

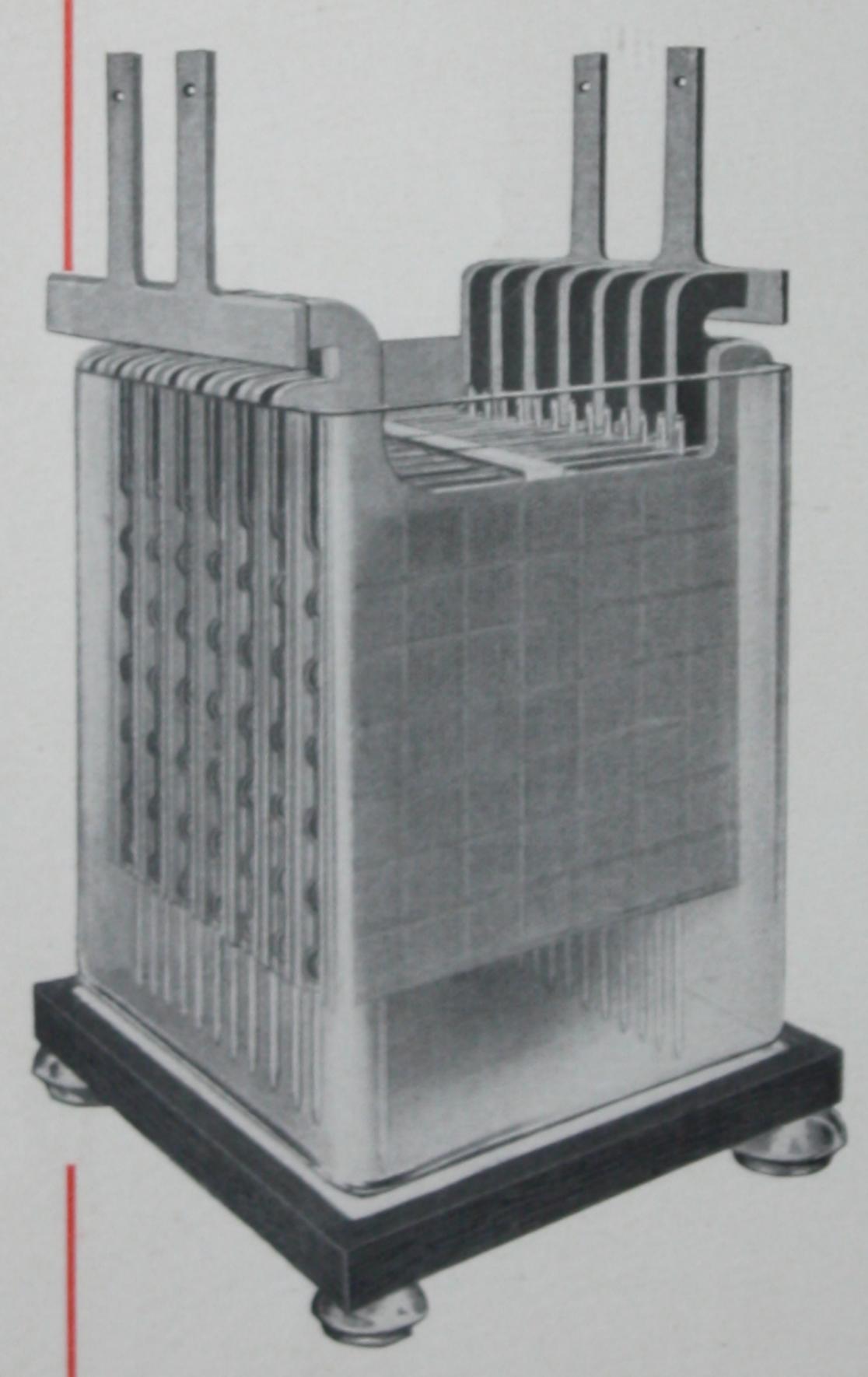
Size of Plates, 73/4 inches by 73/4 inches

	"Cbloride	Hccum	ulator"				
Number of plates		5	7	9	11	13	15
	For 8 hours .	10	15	20	25	20	95
Diaghara in annual	5 "	14	21	28	35	30	35
Discharge in amperes	3 "	20	$\frac{21}{30}$	40	50	$-\frac{42}{60}$	49
	1 "	40	60	80	100	$-\frac{120}{120}$	$\begin{array}{ c c c }\hline 70\\\hline 140\\ \end{array}$
Normal charge rate .		10	15	20	25	30	35
	Length .	5 1/2	63/4	8	85/8	11	11
Outside measurement of glass jar, in	Width	91/8	91/8	91/8	91/8	9 1/8	91/8
inches:	Height	113/8	113/8	113/8	113/8	113/8	113/8
Outoido monoument	Length	27/8	37/8	5	61/8	8 1/8	81/2
Outside measurement of rubber jar, in	Width	81/2	81/2	81/2	81/2	81/2	81/2
inches:	Height	11	11	11	11	11	11
Outside measurement	Length	83/4	93/4	111/8	123/8	133/4	151/8
of all metal tanks, in {	Width	11	11	11	11	11	11
inches:	Height	121/4	121/4	121/4	121/4	121/4	121/4
	In glass	1	BATTER 20	24 ½	26	35	34
Weight of electrolyte,	"rubber.	5 1/2	8	10 1/2	12	17	181/2
in pounds:	" all metal tanks	27 1/2	31 1/2	36	40	44 1/2	49
	In glass	49	60	74	86 1/2	104	112
Weight of cell com- plete with electrolyte,	"rubber	29 1/2	40 1/2	52	63	77	87
in pounds:	" all metal tanks	85	104	124	136	161	180
	In glass	20	20	20	20	20	20
Height of cell to top of	" rubber .	121/2	121/2	121/2	121/2	121/2	121/2
lug, in inches:	" all metal tanks	16	16	16	16	16	
Price, element only	\$	8.25	11.75	15.25	18.75	22.25	25.75 V
Price, glass jar, extra.		1.207	1.357	1.507	1.75	2.55	2.55
Price, rubber jar and cov			1	1	-	1 / 11	
Price, all metal tank, ext	ra \$	10.30	11.35v	12.40	13.45	14.50	15.55

N. B.—In ordering Elements, or parts thereof, specify whether intended for glass or rubber jars or tanks. See pages 27 and 28 for prices of Connectors, Electrolyte, etc.



Type "F" 15 Plates in all Metal Tank



Type "F" 15 Plates in Glass Jar



Type "F" 15 Plates in Glass Tank

ELEMENTS OF TYPE "F"

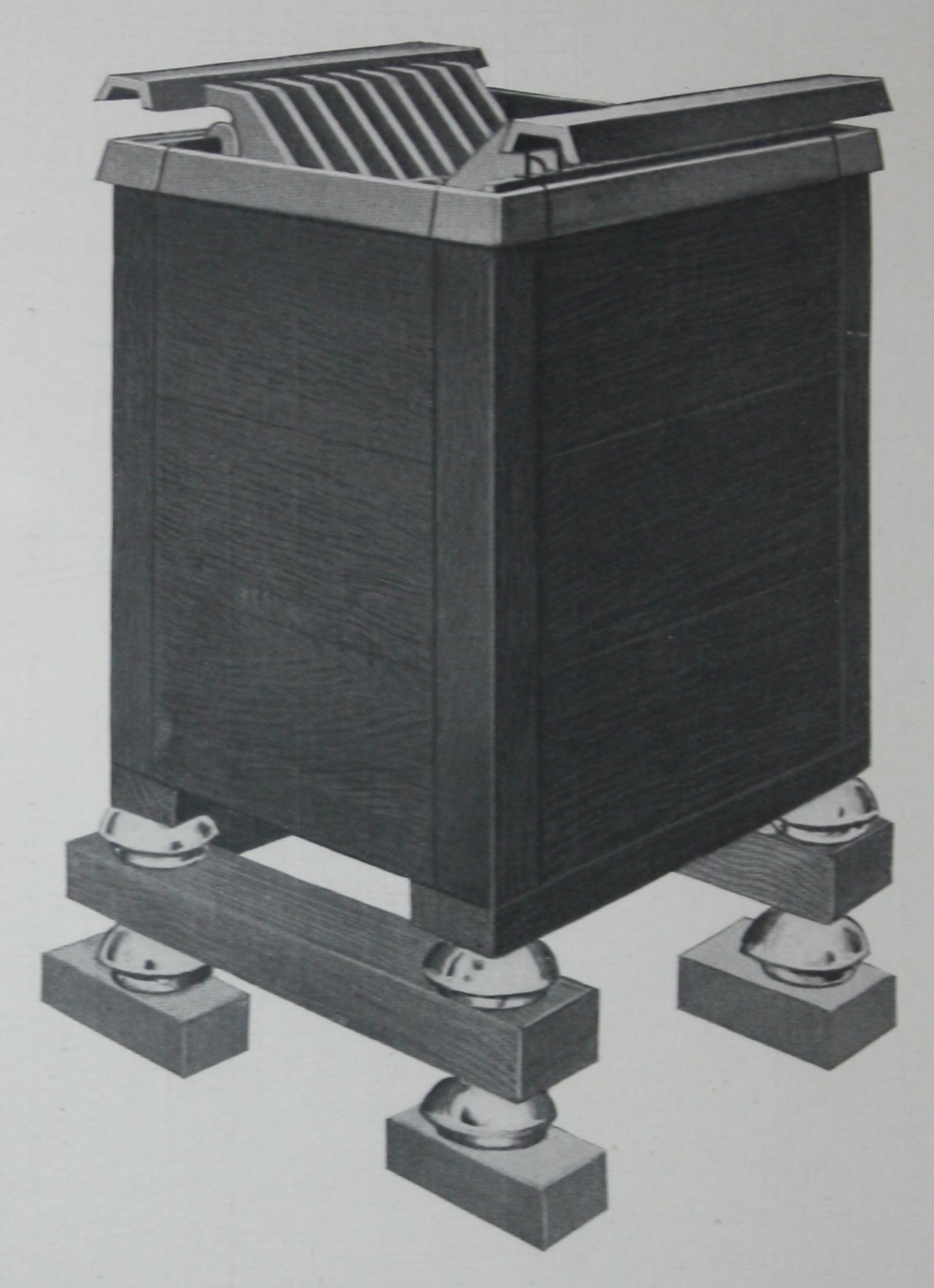
Size of Plates, 11 inches by 10½ inches

Number of plate			Iblorida 9	11	13	15	17	10	21	23	95	97
rumber of plate	5	For	9	-11	10	10		19			2 5	27
	8	hours	40	50	60	70	80	90	100	110	120	130
Discharge in a	m- 5		56	70	84	98	112	126	140	154	168	182
peres:	3	3 "	80	100	120	140	160	180	200	220	240	260
	1		160	200	240	280	320	360	400	440	480	520
Normal charge r	ate .		40	50	60	70	80	90	100	110	120	130
Outside measu	- (I	Length	9	105	105	12						
outside measu ments of gla	re-	Width	125	125	125	125	Ole			1 inche		can
jar, in inches:		Height	17	17	17	17		be ful	rnished	for re	newals	
O-4-: 1	(1	Length			141		173		203			
Outside measu ments of gla	re-	Width			131		131		131			
tanks, in inche	96.	Height			181	-	181		181			
Clearance between gla		0					-04		4			
Outside measu	re- I	Length	131/8	$-14\frac{7}{8}$	16½	181/8	193	$21\frac{1}{2}$	$23\frac{1}{8}$	243	$26\frac{3}{8}$	28
ments of all me		Width	15	15	15	15	15	.15	15	15	15	15
Classes, in inche	1	Height	175	17 ⁵ / ₈	$17\frac{5}{8}$	175	175	$17\frac{5}{8}$	$17\frac{5}{8}$	$17\frac{5}{8}$	175	17
Clearance between no Outside measu		Length	133	151	163	183	20	$21\frac{3}{4}$	233	25	265	28
ments of le	ad-	Width	15	$\frac{108}{15}$	15	$\frac{108}{15}$	15	15	$\frac{258}{15}$	15	$\frac{208}{15}$	15
lined wood tan	KS,					-						
in inches: Clearance between w	-	Height s, 2 inches.	$20\frac{1}{4}$	201	$20\frac{1}{4}$	201	$20\frac{1}{4}$	$20\frac{1}{4}$	$20\frac{1}{4}$	201	201	203
	. In ala	THE ELEC	1	1			co.					
Weight of elec-		ass jars .	63	69	67	79	101	• •	140		• •	
trolyte, in		ass tanks .		100	97	104	121	100	143			
lbs.:		metal tanks,	95	108	121	134	146	160	172	185	198	212
		od tanks .	86		1		133	145	156	168	180	191
Weight of cell		ass jars	$\frac{174\frac{1}{2}}{}$	206	227	260		•			• •	
complete		ass tanks .			279		352	-	422			
with electro- lyte, in lbs.:		metal tanks,	256	297	337	377	416	457	497	537	577	618
, ,	In wo	-1 4 -1 -			000	0-0	411	452	492	532	573	615
TT - 1 - 0 - 11 - 1		od tanks .	250	292	332	372	111	10-	10-			
Height of cell, in glassinsulator to top of	s jars, fr	om bottom of \	250 29½	$\frac{292}{29\frac{1}{2}}$	$\frac{332}{29\frac{1}{2}}$	291						
	s jars, fr lug, in ir ss tanks,	from bottom of } from bottom }				291			231			
Height of cell, in glas	s jars, fr lug, in ir s tanks, of bus b	from bottom of } from bottom } ar, in inches: tanks, from)			291	291		331			331/2	33
Height of cell, in glass of insulators to top Height of cell, in a floor to top of bu	s jars, fr lug, in ir s tanks, of bus b ll metal s bar, d	from bottom of } from bottom } ar, in inches: tanks, from } ouble insula- s, from floor)	29½	29½ 	29½ 23¼ 33½	29½ 	231	331	23 ¹ / ₂	331	331/4	
Height of cell, in glass of insulators to top Height of cell, in a floor to top of but tion, in inches: Height of cell, in we to top of bus bar, inches:	s jars, fr lug, in ir s tanks, of bus b ll metal s bar, d	from bottom of ar, in inches: tanks, from ouble insula- s, from floor insulation, in	29½ 	29½ 33½	29½ 23¼ 33½ 33¼	29½ 	23 ¹ / ₄ 33 ¹ / ₄	331/4	23 ¹ / ₄ 33 ¹ / ₄	331/4	1	333
Height of cell, in glass of insulators to top Height of cell, in a floor to top of but tion, in inches: Height of cell, in we to top of bus bar, inches: Price, element of cell, in we to top of bus bar, inches:	s jars, fr lug, in ir s tanks, of bus b ll metal s bar, d od tank double	from bottom of ar, in inches: tanks, from ouble insula- s, from floor insulation, in	29½ 	29½ 33½ 37.50	29½ 23¼ 33½ 45.00	$29\frac{1}{2}$ $33\frac{1}{4}$ 52.50	23 ¹ / ₄ 33 ¹ / ₄ 60.00	331/4	23 ¹ / ₄ 33 ¹ / ₄	331/4	1	333
Height of cell, in glass of insulators to top Height of cell, in a floor to top of but tion, in inches: Height of cell, in we to top of bus bar, inches: Price, element of the price, glass jar,	s jars, fr lug, in ir s tanks, of bus b ll metal s bar, d od tank double	from bottom of ar, in inches: tanks, from ouble insula- s, from floor insulation, in	$ \begin{array}{r} 29\frac{1}{2} \\ \hline 33\frac{1}{2} \\ \hline 33\frac{1}{4} \\ \hline 4.00 \\ 6.00 \\ \hline 4.00 \\ 6.00 \\ $	29½ 33½ 37.50 475	$ \begin{array}{r} 29\frac{1}{2} \\ \hline 23\frac{1}{4} \\ \hline 33\frac{1}{2} \\ \hline 45.00 \\ \hline 4.75 \\ \end{array} $	$29\frac{1}{2}$ $33\frac{1}{2}$ 52.50 5.75	23 ¹ / ₄ 33 ¹ / ₄ 60.00	$33\frac{1}{2}$ 67.50	23½ 33½ 75.00	331/2	1	333
Height of cell, in glass of insulators to top Height of cell, in a floor to top of but tion, in inches: Height of cell, in we to top of bus bar, inches: Price, element of cell, in we to top of bus bar, inches:	s jars, fr lug, in ir s tanks, of bus b ll metal s bar, d od tank double only extra	from bottom of ar, in inches: tanks, from ouble insula- s, from floor insulation, in	30.00 30.00 4.00	29½ 33½ 37.50 475	$ \begin{array}{r} 29\frac{1}{2} \\ \hline 23\frac{1}{4} \\ \hline 33\frac{1}{4} \\ \hline 45 00 \\ \hline 4.75 \\ \hline 6.00 \\ \end{array} $	$ \begin{array}{r} 29\frac{1}{2} \\ 33\frac{1}{2} \\ 52.50 \\ 5.75 \\ 7 $	33½ 33½ 60.00 7.05	331/2	23½ 33½ 75.00 10.50	331/2	90.00	

glass tanks, all metal tanks. or wood tanks. See pages 27 and 28 for prices of Connectors,

Electrolyte, etc.

N. B.-In ordering Elements, or parts thereof, specify whether intended for glass jars,

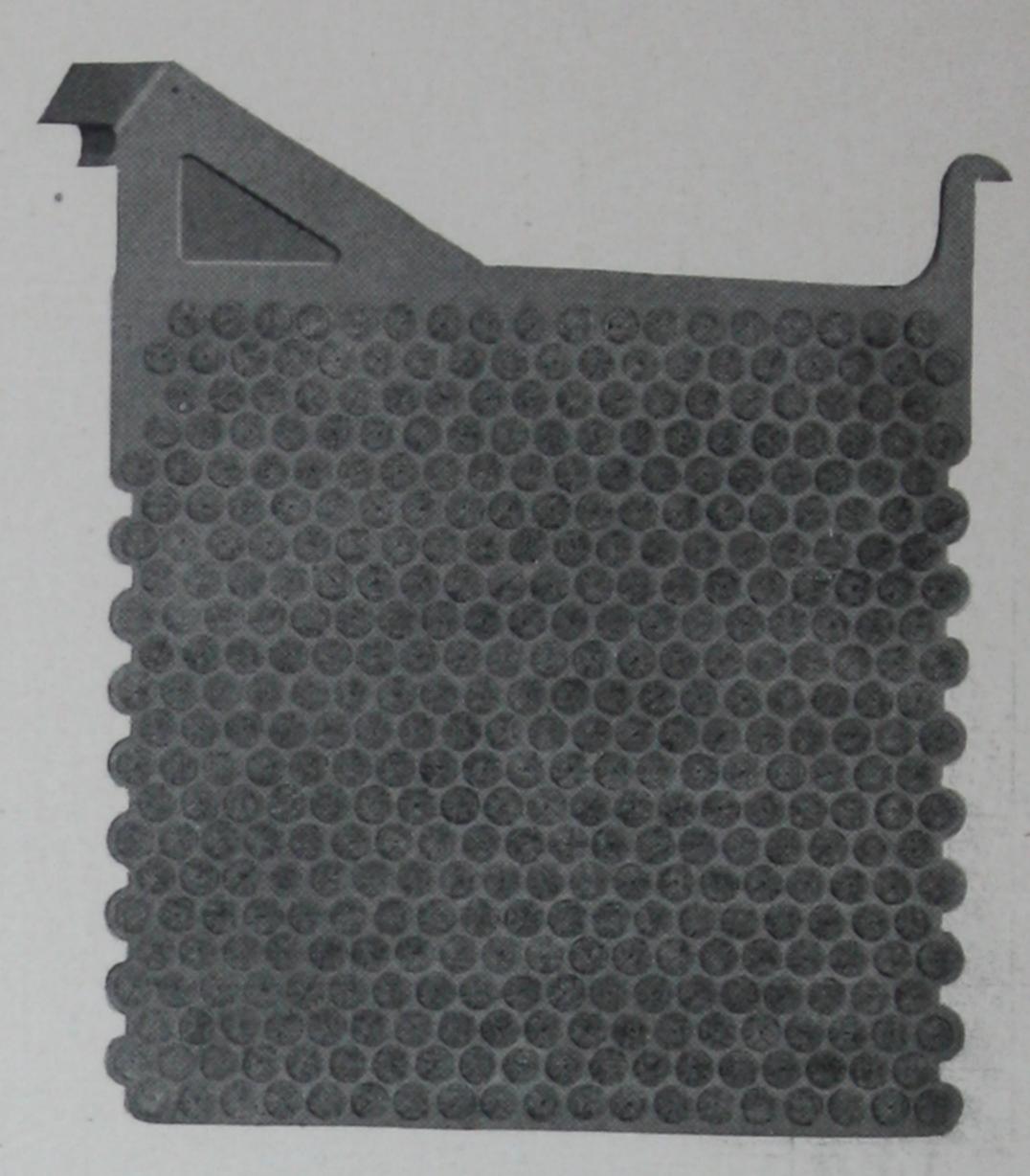


Type "G" 19 Plates in Lead-Lined Wood Tank

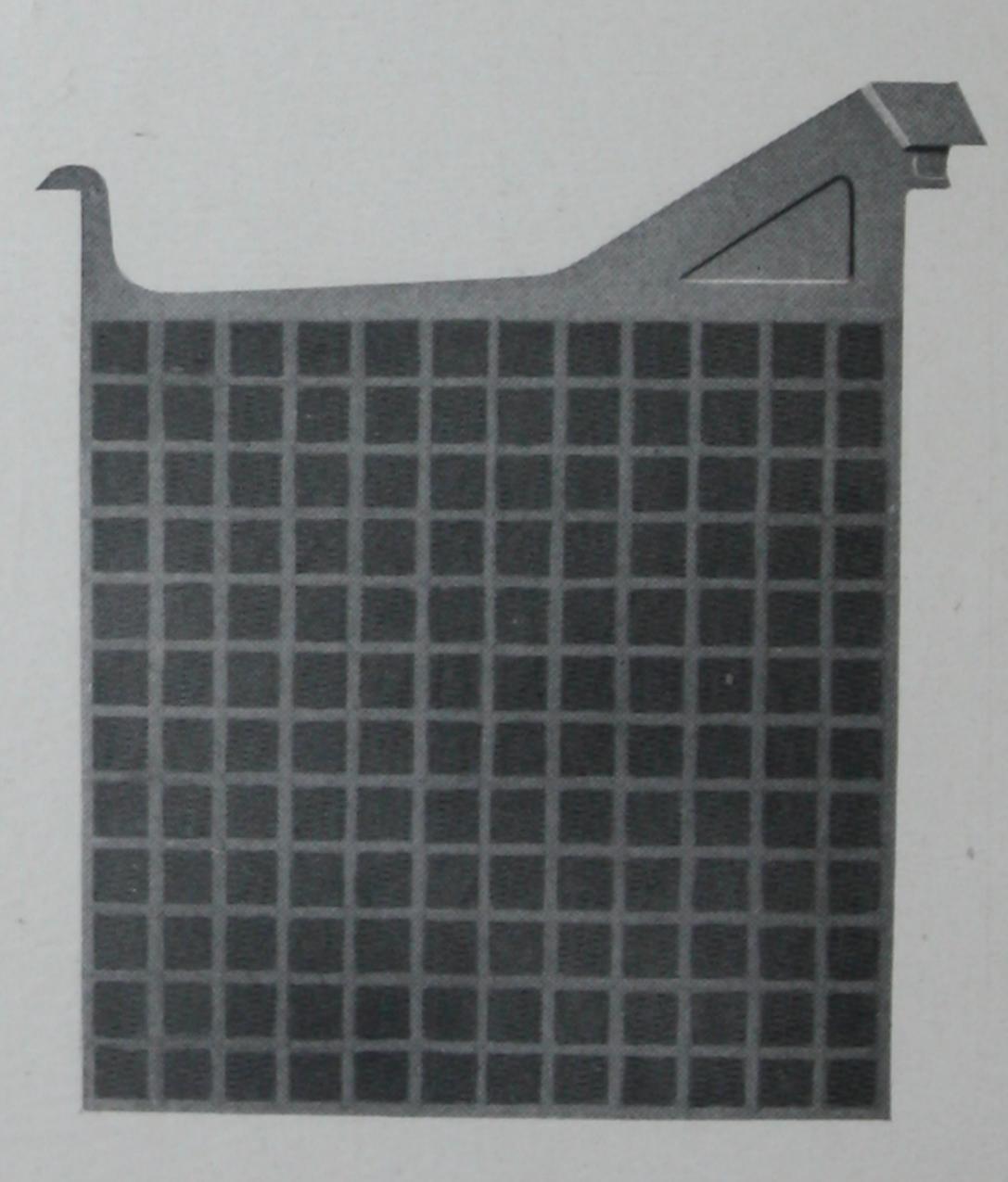
ELEMENTS OF TYPE "G"

inches Clearance between tanks, by 15 fe inches. 15 fe inches

110 130 140 160 180 200 220 240 280 380 340 380 340 480 480 480 480 480 680	110 120 140 160 180 200 220 240 260 280 300 320 349 360 380 440 420 440 460 480 500 520 50 50 50 50 50 50 50 50 50 50 50 50 50			1	1	-	1	-	-	1	-	-	CPI	loride		Accu	umul	lator	11-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
140 150 140 160 180 200 220 240 250 250 300 320 340 360 380 400 420 440 460 480 500 520 540 560 650 640 680 680 690	140 120 140 160 180 200 220 240 280 390 320 340 360 380 400 420 440 460 480 500 520 728 778		11		15	17	19	21	23	32	27												-										73	1 75
140 168 196 224 252 280 308 338 384 392 420 448 476 504 532 560 588 616 644 672 700 728 756 784 812 840 868 896 924 928 980 1040 1060 1040 1020 1020 1020 1020 1020 1020 102	140 168 196 224 252 280 308 386 364 392 420 448 476 504 582 560 586 616 644 672 700 728 77 200 240 280 320 380 400 440 480 520 560 600 640 680 720 760 800 840 880 920 960 1000 1040 106 100 120 140 160 180 200 220 240 260 280 300 320 340 380 380 400 420 440 460 480 500 520 520 15 16 18 19 18 20 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	For hours	100	120		160	180	200	220	240	260													20	40		A.C.						0 720	00 740
400 480 580 320 380 400 440 480 520 560 660 640 680 720 760 860 840 880 980 1040 1040 1120 1200 1240 1220 1240 1220 1000 1040 104	. 200 240 280 320 360 400 440 480 520 560 660 640 680 720 760 840 880 920 960 1040 1040 1080 1040 104	,,				224	252	280	308	336	364													7			63		00				0 1008	1036
100 120 140 160 180 200 224 24% 26 26 26 26 26 26 26 26 26 26 26 26 26	16 / 480 560 640 720 800 880 960 1040 1120 1260 1440 1520 1600 1680 1760 1840 1920 2000 2080 201 200 220 240 260 280 300 320 340 360 360 400 420 440 460 480 500 200 15 / 10 / 10 / 10 / 10 / 10 / 10 / 10 /	,,	200	240	280	320	360	400	440	480	520												-	40	=	=	-	-	0 1			-	-	440 1480
100 120 140 160 180 200 220 240 260 280 300 320 340 860 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 680 75 60 600 620 640 660 680 680 75 60 600 620 640 660 680 75 60 600 620 640 660 680 75 60 600 620 640 660 680 75 60 600 620 640 660 680 75 60 600 620 640 660 680 75 60 600 620 640 660 680 75 60 60 620 640 660 680 75 60 60 620 640 660 680 75 60 60 620 640 660 680 75 60 60 620 640 660 680 75 60 60 620 640 640 640 640 640 640 640 640 640 64	100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 600 620 620 620 650 650 650 650 650 15% 15% 16% 18% 20 22% 24% 26% 26% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	,	400	480	260	640	720	800	880					1	1									21			2	23					0 2880	0 2960
. 15% 16% 18% 20 22% 24% 26 27% 29% 31 32% 34% 36 37% 39% 40% 42% 44% 45% 47% 49% 61% 65% 65% 65% 65% 65% 65% 61% 63% 64% 66% 65% 65% 65% 65% 61% 63% 64% 66% 65% 65% 65% 61% 63% 64% 66% 65% 65% 65% 65% 65% 65% 65% 65% 65	 15% 16% 18% 20 22% 24% 26 26 26 26 26 26 26 26 26 26 26 26 26	e	100	120		160	180	200	220	240	260																						0 720	0 740
194 194 194 194 204 204 204 204 204 204 204 204 204 20	. 194 194 194 199 204 204 204 204 204 204 204 204 204 204		2	9	00		22%	243%		*						*							74	88	74	100	\$ 28		61	63	64	99	68	18 69%
45, 188 210 231 253 274 296 317 338 360 381 403 424 446 467 489 510 532 553 576 516 618 639 661 682 704 725 777 277 277 277 277 277 277 277 277	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Width	1934	6	93	1934	20%	2034				1		1		-		-						74			21	21	2 21	21	21	21	21	12 %
ds, 188 210 231 253 274 296 317 338 360 381 403 424 446 467 489 510 532 553 576 596 618 689 661 682 704 725 747 768 790 811 81 81 81 81 81 81 81 81 81 81 81 81	ds, 188 210 231 253 274 296 317 338 360 381 403 424 446 467 489 510 532 553 576 596 618 639 66 2 568 645 719 798 925 1006 1085 1165 1266 1347 1427 1507 1588 1668 1748 1841 1922 2005 2086 2165 2249 2393 243 2 581 381 381 381 381 381 381 381 381 381 3		26	26	26	26	26 1/2	26 1/2	1		-						-	-	-	12 27	74	74	74	78 2	-	-	27	27	27	27	27	27	27	78 27 78
\$ 568 645 719 798 925 1006 1085 1165 1266 1347 1427 1507 1588 1668 1748 1841 1922 2005 2086 2165 2249 2393 2475 2557 2641 2724 2805 2971 3053 315 \$ 3813 3813 3813 4015 4015 4015 4015 4015 4015 4015 50 225 50 249 50 325 50 249 50 325 50 249 50 325 50 249 50 325 50 249 50 325 50 249 50 325 50 249 50 325 50 249 50 325 50 249 50 325 50 24	\$ 568 645 719 798 925 1006 1085 1165 1266 1347 1427 1507 1588 1668 1748 1841 1922 2005 2086 2165 2249 2393 247 \$ 384\frac{13}{8}\$ 3841	(O)		2	231	253	274	296	317	338		381		0		67 67	89	0		0			- 00						7 7	7			3 85	4 876
3813 3813 3813 3813 4016 4016 4016 4017 4017 4017 4017 4017 4017 4017 4017	\$ 3813 3813 3813 4016 4016 4016 4016 4016 4016 4016 4016	e, in lead-	268		-	798	925	1006	1	165	1	-	427	202			748	-				-	1	61			1		1 0	1	-	31	5 3217	7 3300
\$ 75 00 90 00 105 00 120 00 135 00 150 00 135 00 125 00 225 00 225 00 230 00 335 00 335 00 345 00 345 00 420 00 425 00 480 00 485 00 510 00 525 00 510	\$ 75 00 90 00 105 00 120 00 135 00 150 00 125 00 225 00 225 00 225 00 225 00 285 00 330 00 345 00 345 00 375 00 390 00 405	for double ches:		38 1		3813	40 re	40 L										1	76	41	145	3	191	1,0	41	41	41	41	2 41	4	41	14	41	17 41 17g
The way with the wind the way to the wind the way to the wind the way to the			75	00 06	105 00	120 00	135 00	150 00	165 00	00		10 00 22	25 00 24	10 00 25	8	8		0 00 315	8				8	18		8	120	465	180	495	510		00 540	00 555
19 55 20 40 21 25 23 85 25 00 26 15 27 30 28 45 29 60 30 75 31 90 38 80 89 80 40 40 40 40 40 40 10 40 80 49 15 50 60 51 45 52 60 53 75 54 90 56	\$ 18 70 19 55 20 40 21 25 23 85 25 00 26 15 27 30 28 45 29 60 35 85 86 80 87 66 88 80 89 95 41 10 42 25 45 70 46	:	18	19		21	क्ष	33			15	199	75	306	8	200	38	3	8	8	36	101	3	20	-38	00 49	3	-			200		05 57	20 58



Type "R" Positive Plate



Type "R" Negative Plate

ELEMENTS OF TYPE "R"

2 inches 185% inches by 185% inches. Clearance between tanks, Size of Plates,

									D ::	blor	ibe	BC	ccum	mulat	tor	11-	-	-	-	-	-	-	-	-	-	-	-
Number of plates	sa		25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	29 (61 6	63 6	65 6	67 6	69 71		73 75
	6 hours	For	360	390	420	450	480	510	540	570	009	630	999	069	720	750	780	810	840	870	3 006	930 9	6 096	990 10	1020 10	1050 10	1080
Discharge in	2 "		876	946	1022	1095	1168	1241	1314	1387	1460	1533	1606	1679 1	752	1825 1	1898	1971 2	2044 2	2117	2190 25	2263 23	2336 24	2409 24	2482 25	2555 26	2628 2701
amperes:	1 "		1440	1560	1680	1800	1920	2040	2160	2280	2400	2520	2640	2760 2	2880	3000	3120 3	3240 3	3860 3	3480 30	3600 37	3720 38	3840 39	3960 40	4080 42	4200 43	4320 4440
	Regul rate:	ating	3880	3120	3360	3600	3840	4080	4320	4560	4800	5040	5280	5520 5	6760	9 0009	6240	6480	6720 6	6960	7200 74	40	7680 79	7920 81	8160 84	8400 86	8640 8880
Normal charge	rate		. 360	390	420	450	480	510	540	570	009	630	099	069	720	750	780	810	840	870	006	930 6	6 096	990 10	1020 10	1050 10	1080
	Length		. 28 3/8	8 30 1/8	3134	333%	35	3634	383%	40	41 58	433%	45	46 58 4	4814	200	51 58	531/4	5478 5	26 58 50	58% 59	5978 61	:74	63 1/2 64	6478 66	89 % 99	869 18 69 28
Outside meas- urement of tank, in	Width		. 24%	2434	2434	2434	24%	24%	24%	2434	2434	2434	24%	243%	24%	243%	243%	2434	24% 2	2434 2	2434 24	1 74	2434 24	24% 29	2434 24	2434 24	34 24
inches:	Height		. 31 1/2	2 31 1/2	31 1/2	31 1/2	31 1/2	31	31,	31,	32%	321/2	321/2	32 1/2	1	1 20	272	32 1/2	32 1/3	32 1/2 3	32 1/2 35	32 1/2 32	32 1/2 32	32 1/2 35	32 1/2 32	32 1/2 32	321/2 321/2
Weight of elect	electrolyte, in	spunod	s, 481	1 512	543	57	4 605	5 636	667	698	729	760	791 791	822 822	853	884	915	946	977	800	1039 10	1070	101 11	1132 11	1163 11	1194 12	1225 1256
Weight of cell, complete, with electrolyte, in lead-lined wood tanks, in pounds:	ell, complete, in lead-line	e, with	1749	9 1867	1985	5 2104	4 2223	3 2340	2460	2573	2692	2810	2930	3049	3168	3287	3406	3524	3643 3	3763 3	3882 40	4000 4	4113 42	4238 43	4353 44	4471 45	4590 4709
of in	doub	floor to le insu-	1 46%	46%	46%	46%	464	46%	46%	4614	47.4	47.14	477	47.1%	47 14	47.14	47 14	47 X	47 14 4	47 14 4	47 14 47	7.4 47	7.4 47	7.4 47	77 47	74 47	14 47
Price, elements only	ly		\$ 285 0	00 307 50	330	00 352 50	50 375 00	0 397 50	420 00	442 50	465 00	487	50 510 00	532 50	555 00 577	33	9 00 009	622 50 6	645 00 6	069 09 299	00 00 712	2 50 735	5 00 757	2 20 780	0 00 802	50 825	00 847
Price, lead-lined wo	wood tank, e	extra	\$ 39 7	70 41 30	0 42 90	0 44 50	0 46 10	0 47 70	49 30	20 90	52 50	54 10	55 70	57 30	28 90	60 50	62 10	63 70	65 30	9 06 99	68 50 7	17 01 07	1 70 73	300	74 90 76	200 18	10 79
			-	_	_	-	-	-	_			1							-	-	-	-	-	-	-	-	-

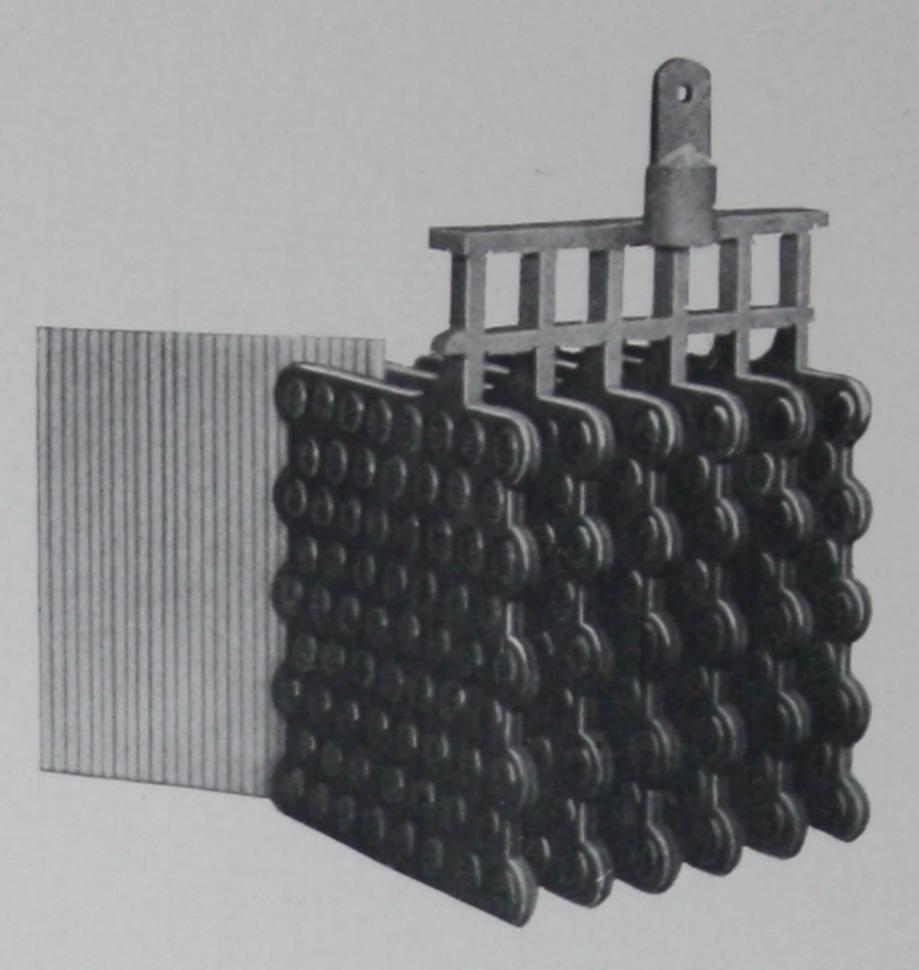


Type "H" 45 Plates in Lead-Lined Wood Tank

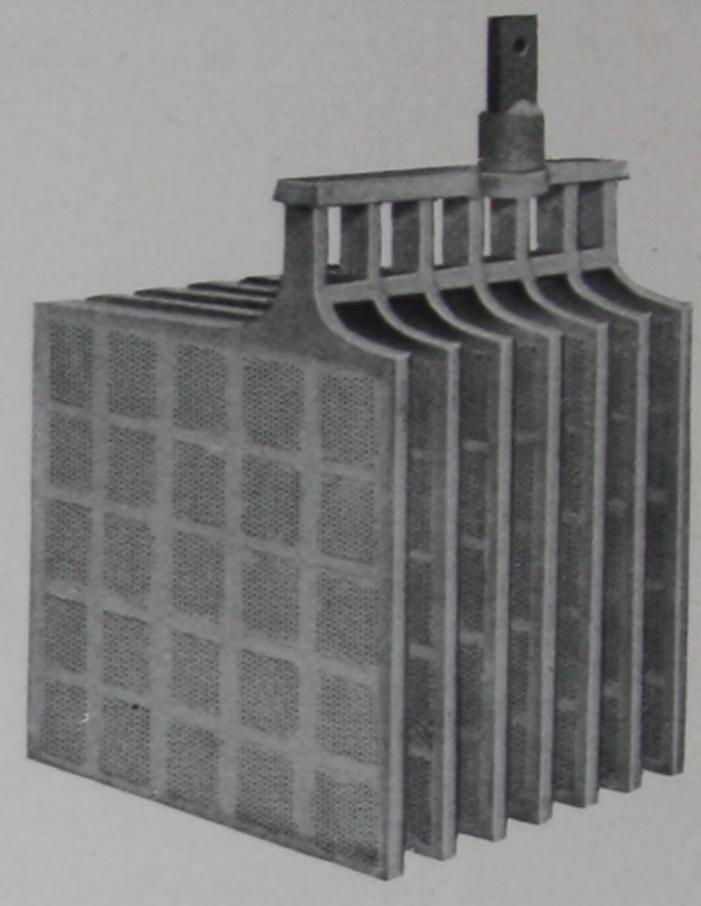
ELEMENTS OF TYPE "H"

2 inches Clearance between tanks, 301 Inches by 15 inches. Plates, of Size

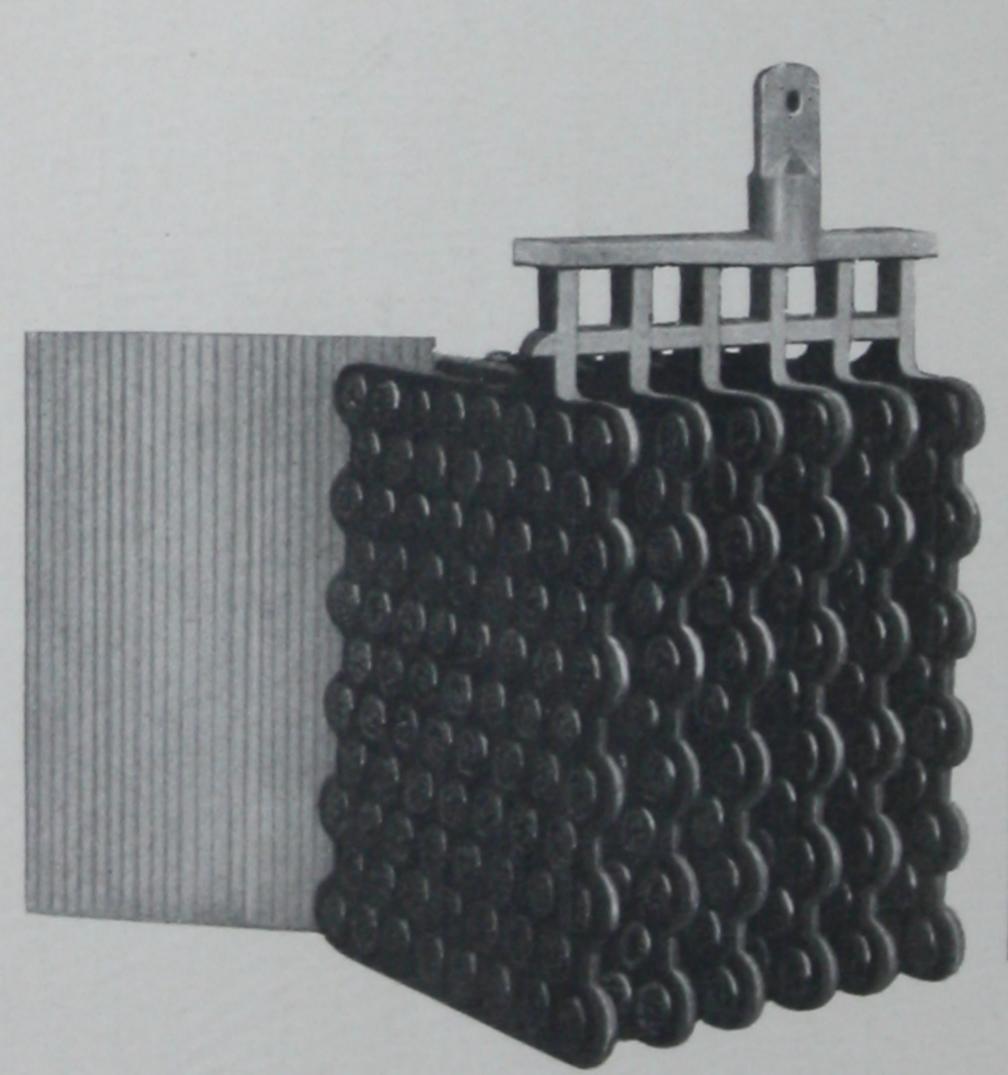
S							1				,	המומה	2011	7	accumulator	min	1			-										
### 4.00 440 480 620 660 640 680 729 760 800 840 880 920 960 1000 1040 1080 1120 1160 1200 1240 1280 1248 1738 1738 1738 784 840 896 952 1008 1064 1120 1170 1232 1238 1344 1400 1456 1512 1568 1624 1680 1738 1738 1739 175 1232 1238 1344 1400 1450 1450 1550 1240 1250 1250 1250 1250 1250 1250 1650 1650 1750 1150 1200 1250 1250 1250 1250 1250 1550 1650 1650 1750 1240 1950 2000 2080 2160 2246 2240 2400 2480 2480 2480 2550 2240 2400 2560 2720 2380 3040 3200 3360 3520 3680 3840 400 1040 1080 1130 1150 1200 1240 1230 1240 1250 1250 1250 1250 1250 1250 1250 1240 1250 1240 1250 1250 1250 1250 1250 1250 1250 125	02			23	- 25		29		33	35	37	39	41	43	45	47	49	51	53	25	57	69	61	63	65	67	69	11	73	75
Fee: 3 · · · . 660 616 672 728 734 840 896 952 1008 1064 1120 1176 1232 1288 1344 1400 1456 1512 1568 1624 1680 1736 1736 1736 1739 1736 1736 1736 1736 1736 1736 1736 1736		hou	40	4															-	-	=	=	-	-		1320	1360	1400	1440	1480
charge rate	Discharge in	•	. 56									-	=	=	-	-	-		-	151				17		1848	1904	1960	2016	2072
charge rate	amperes:	3 "	. 80								-				-		-								0 2560	2640	2720	2800	2880	2960
charge rate			. 160	-															4							5280	5440	2600	5760	5920
meas. Length 25 1/4 26 1/4 28 1/4 21 1		rate	. 40															-		-	=	-		-		1320	1360	1400	1440	1480
s: Height 21 1/4 21	Outside meas-	Length	. 25	-	-	-	31	-		363	-		_	-		46 5%	84			53	-				-	63%	647%	899	68 1/8	8269
8: Height 487, 487, 487, 487, 487, 487, 487, 487,	nt	Width		21	21	122	22	21	21	21	21	21	22	21	-23	21	22	21	21	21	22	21	21	22		21 1/2	21 1/4	21 1/2	21%	21
of cell, complete lead-to-large, in lead-large large l	inches:		. 483	1 1/2	4	48		48	-		84 :				64		497	497	4 (4					8 49 2%	8 49 %	497%	4978	49 2/8	49 78
of cell, complete 1967 2121 2278 2435 2592 2749 2906 3063 3220 3377 3538 3694 3852 4009 4164 4319 4481 4637 4796 4953 5109 5268 545 tank, in pounds: of cell, from floor to 6276 6276 6276 6276 6277 6277 6277 62	Weight of electr	ii				7	-	1		I	7 0,		J		d	n =	118	122	0 -	13		-	=	-		7 1570	1613	1655	1698	3 17
in inches: 62 1 6 62 1 6 62 1 6 62 1 6 62 1 6 62 1 6 62 1 6 62 1 6 62 1 6 62 1 6 63	of ce electrol tank, ir	Il, complete	196	23				23				337	1 1-				7	431	0	-						5,5584	5741	5896	6054	6215
00 00 00 00 00 00 00 00 00 00 00 00 00	of cell, f bus-ba	double in-	-	-	-	-		-	-			62	-	-				-					_	_		6 63 3	63 3	63 3	63 r6	63 78
	_		\$ 300	88	18	06/00	138	00/150	00 480	010	0 210	020			0,000		82	952	18		00 840		006	980		00 066 00	1020 00	1050 00	1080 00	ornio
Price, lead-lined wood tank, 1 . s 58 40 54 90 55 40 68 40 68 40 68 90 77 40 78 90 78 90 88 40 88 40 86 4		tank, }	88	100	198	-		40 60	62	3	3	99	3	69	12	72	12	75	77	200	1 8	8	83	8	8	40 87 90	89 40	90 90	92 40	98



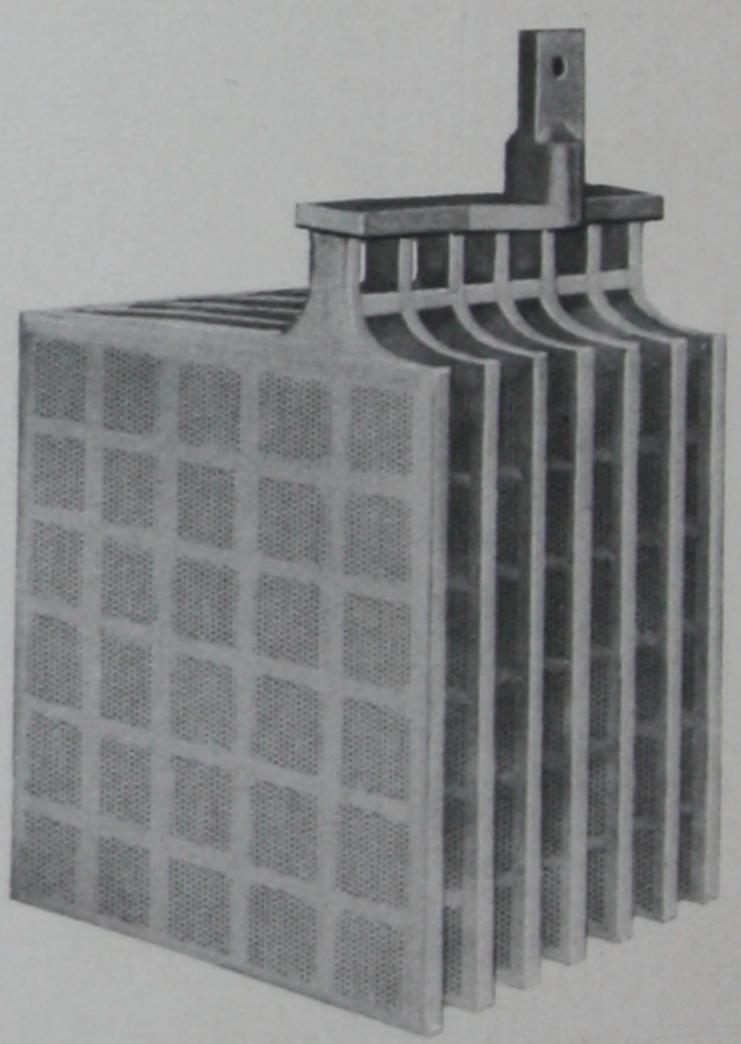
Type "ECS" Positive Group



Type "E C S" Negative Group



Type "ELS" Positive Group



Type "ELS" Negative Group

Devised by Carlighting but

ELEMENTS OF CAR-LIGHTING TYPES

Type "ECS"

Size of Plates, 73/4 Inches by 73/4 Inches

Type "ELS"

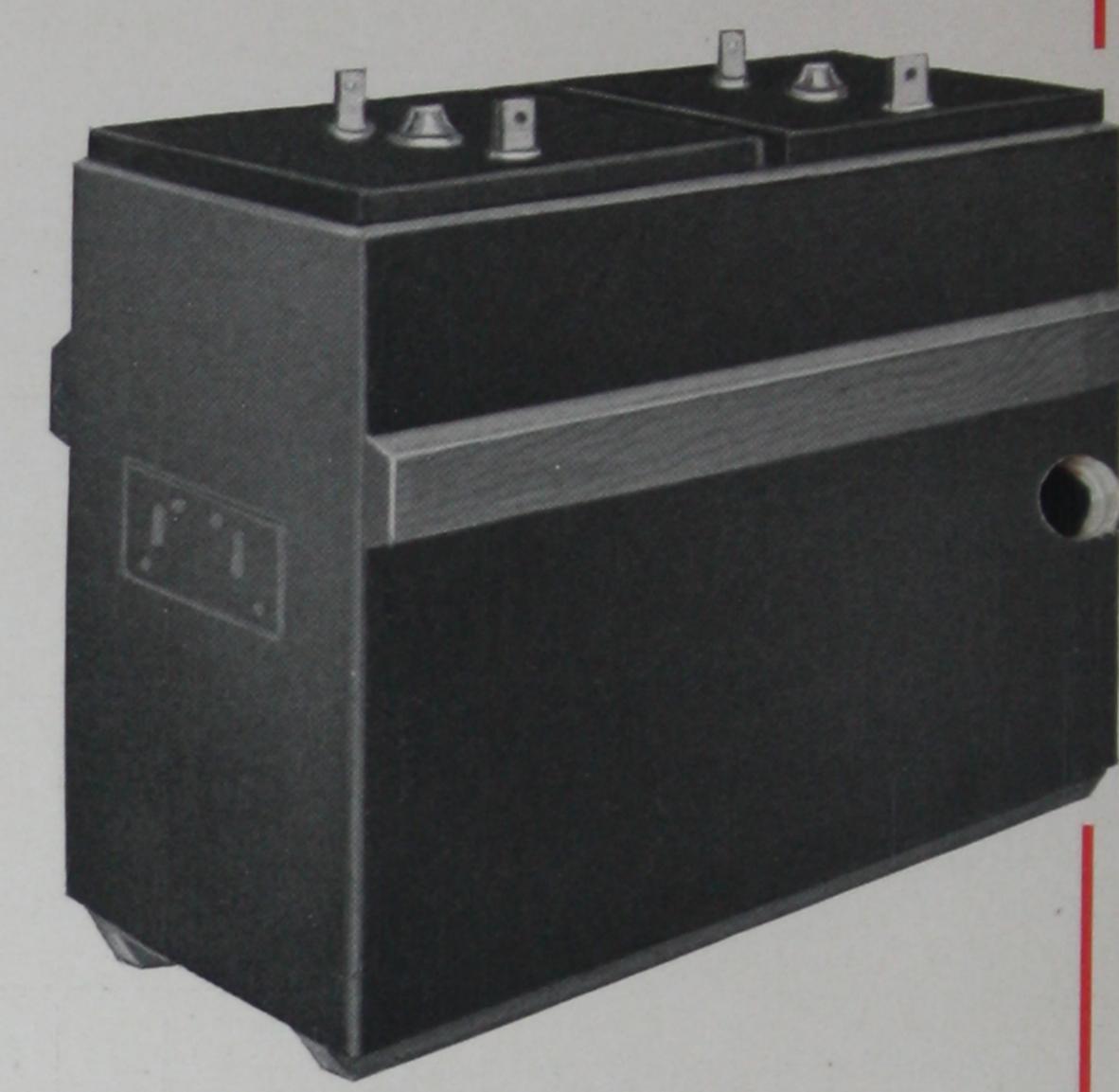
Size	of	Plates,	9.5	in.	by	73/	in.
		,	~ 10		~,	. /4	

			="	Ibloria	e Ac	cumula	itor''=	,					
Number of pla	ates	5	7	9	11	13	15	5	7	9	11	13	15
	For 8 hours,	10	15	20	25	30	35	12	18	24	30	36	42
Discharge in	5 "	14	21	28	35	42	49	17	25	33	42	50	- 59
amperes	3 "	20	30	40	50	60	70	24	36	48	60	72	84
	1 "	40	60	80	100	120	140	48	72	96	120	144	168
Normal charge	e rate	10	15	20	25	30	35	12	18	24	30	36	42
	Length,	$3\frac{2}{3}\frac{5}{2}$	$5\frac{3}{32}$	$6\frac{1}{3}\frac{3}{2}$	$7\frac{2}{3}\frac{3}{2}$	$9\frac{1}{32}$	10112	$3\frac{2}{3}\frac{5}{2}$	$5\frac{3}{32}$	$6\frac{1}{3}\frac{3}{2}$	$7\frac{2}{3}\frac{3}{2}$	$9\frac{1}{32}$	10 ¹ / ₃
Outside meas- urement of rubber jar, in inches:	Width	813	813	813	813	813	813	813	813	813	813	813	81
	Height,	13½	13½	13½	13½	13 1/2	13½	151/4	151/4	151/4	151/4	151/4	15 1
Weight of ele	ectrolyte }	10		19	STOR 22		31	12	17	22	27	32	36
Weight of ce plete, with lyte, in pour	electro-	39	54	70	85	100	116	47	66	85	104	123	142
Height of ce bottom of j of lug, in in	ar to top }	15	15	15	15	15	15	1634	1634	163/4	1634	163/4	163
Price, element on	ly \$	8.25	11.75	15.25	18.75	22.25	25.75	10.75	15.50	20.25	25.00	29.75	34.8
Price, rubber jar,	extra \$	4.30	4.95	5.60	6.25	6.90	7.55	4.70	5.40	6.10	6.80	7.50	8.2
Price, No. 6 ru	ubber jar,} \$	6.05	6.95	7.85	8.75	9.65	10.55	6.60	7.60	8.60	9.60	10.60	11.6
Price, soft rubber including soft ruextra:	lip cover, subber plug,	1.75	2.00	2.25	2.50	2.75	3.00	1.75	2.00	2.25	2.50	2.75	3.0
Price, plain cover soft rubber plug	, including } \$ g, extra:	0.35	0.45	0.55	0.65	0.75	0.85	0.35	0.45	0.55	0.65	0.75	0.8

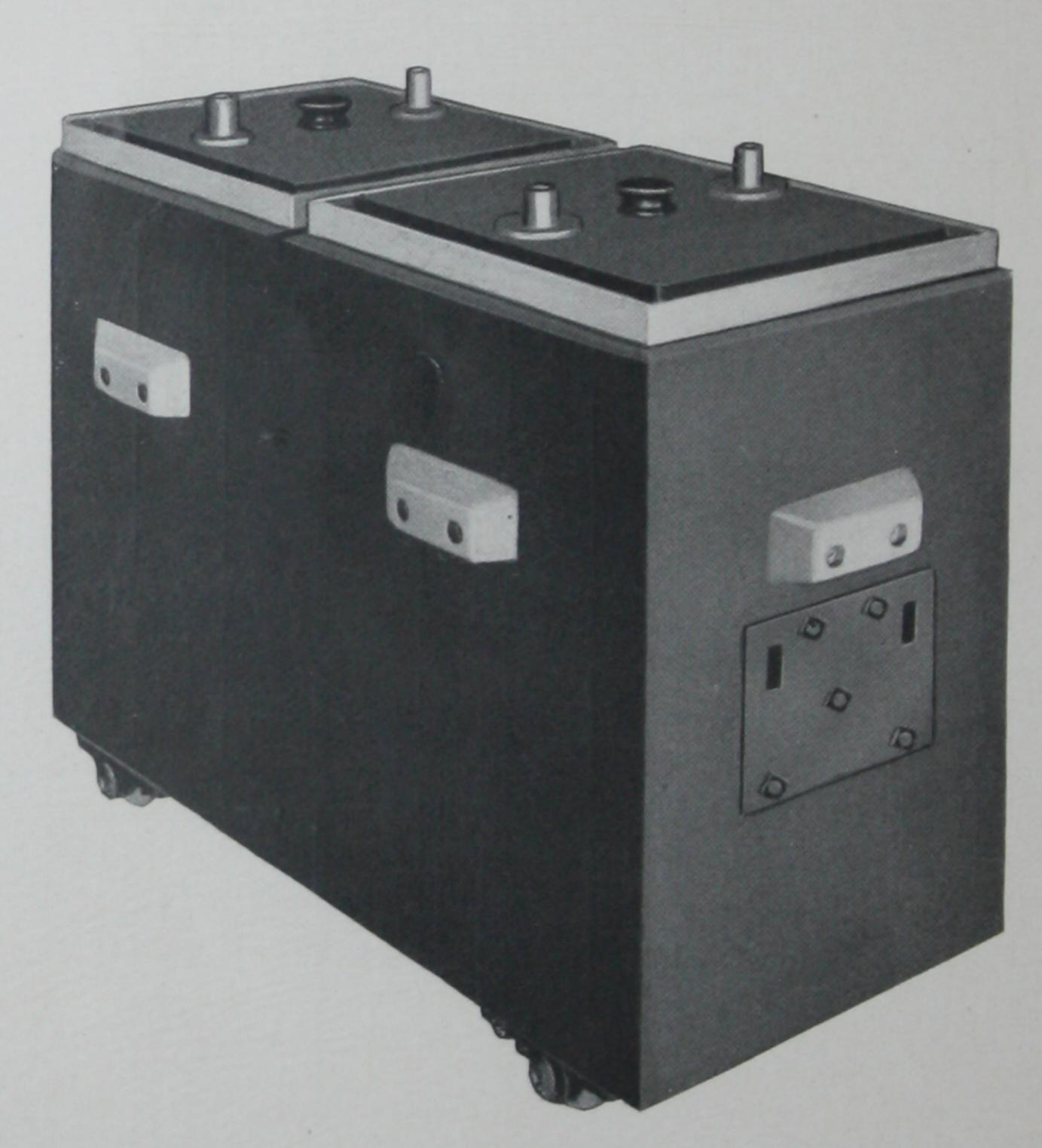
Prices of tanks upon application



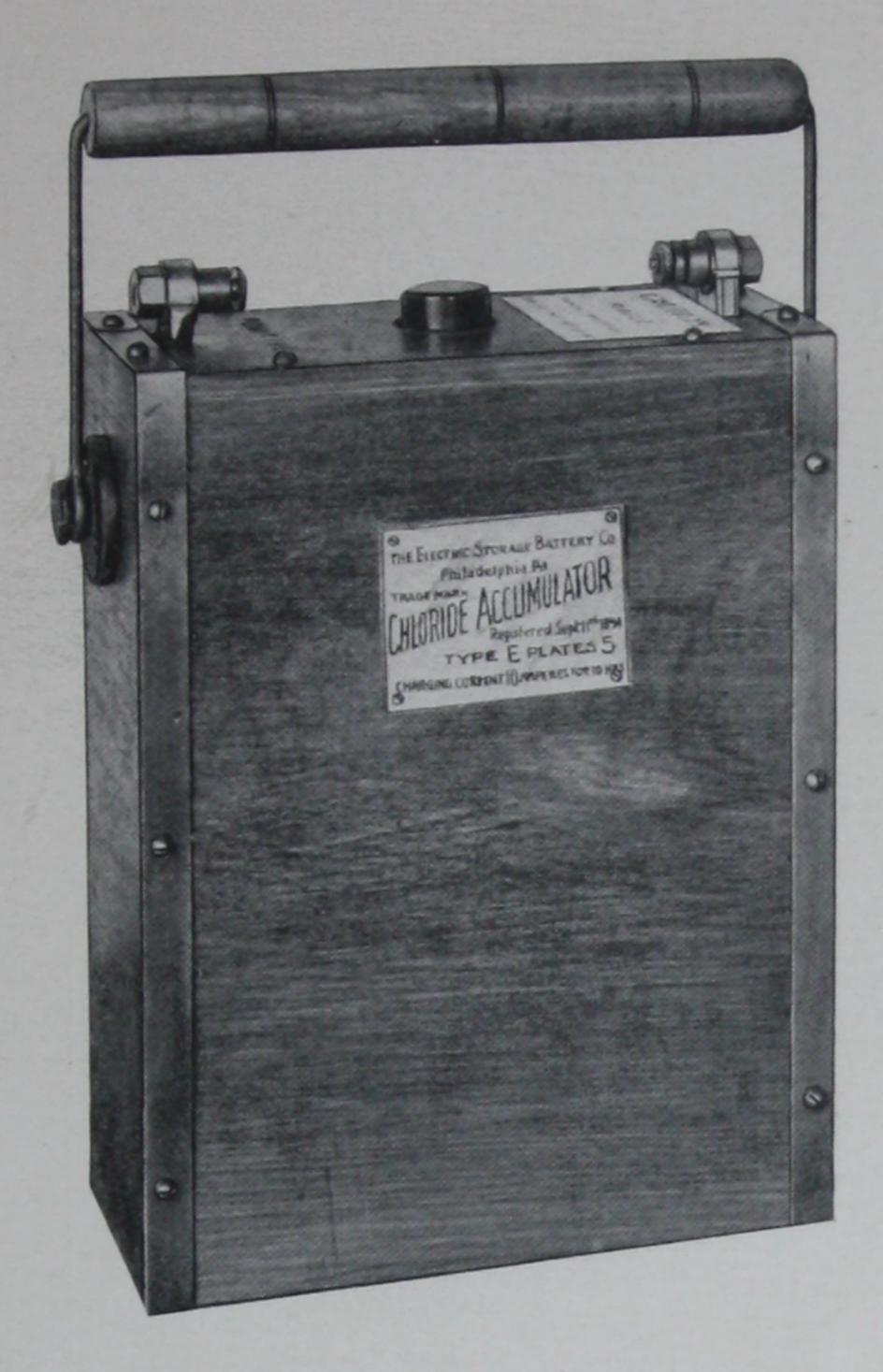
"ELS" Rubber Jar and Cover



Two "ELS" Cells Assembled in Crate



Special Two Compartment Lead-Lined Tank



Type 501. Portable Battery

The "Chloride Accumulator"

OF THE

PORTABLE TYPE

For portable use, in connection with phonograph, kinetoscope, other small motor work, and small electric lamps, the "Chloride Accumulator" is put up in sealed rubber jars, enclosed in a neat hardwood case, provided with handles and suitable connection terminals. Various capacities are furnished, as per table on next page, in which are also given weights, dimensions, normal working rates and prices for batteries complete, ready for immediate use, if ordered so shipped.

Unless otherwise ordered, portable batteries will be shipped filled with electrolyte and charged, ready for service. While the greatest care is used in packing, it is almost impossible to avoid damage to cells of this type when shipped by freight; for short distances it is therefore recommended that shipment be made by express, to insure more care in handling. Where this method is too expensive, it is advisable to forward without electrolyte, which may be ordered to be shipped in a separate vessel, for which a small additional charge is made; the battery to be given the necessary charge upon receipt.

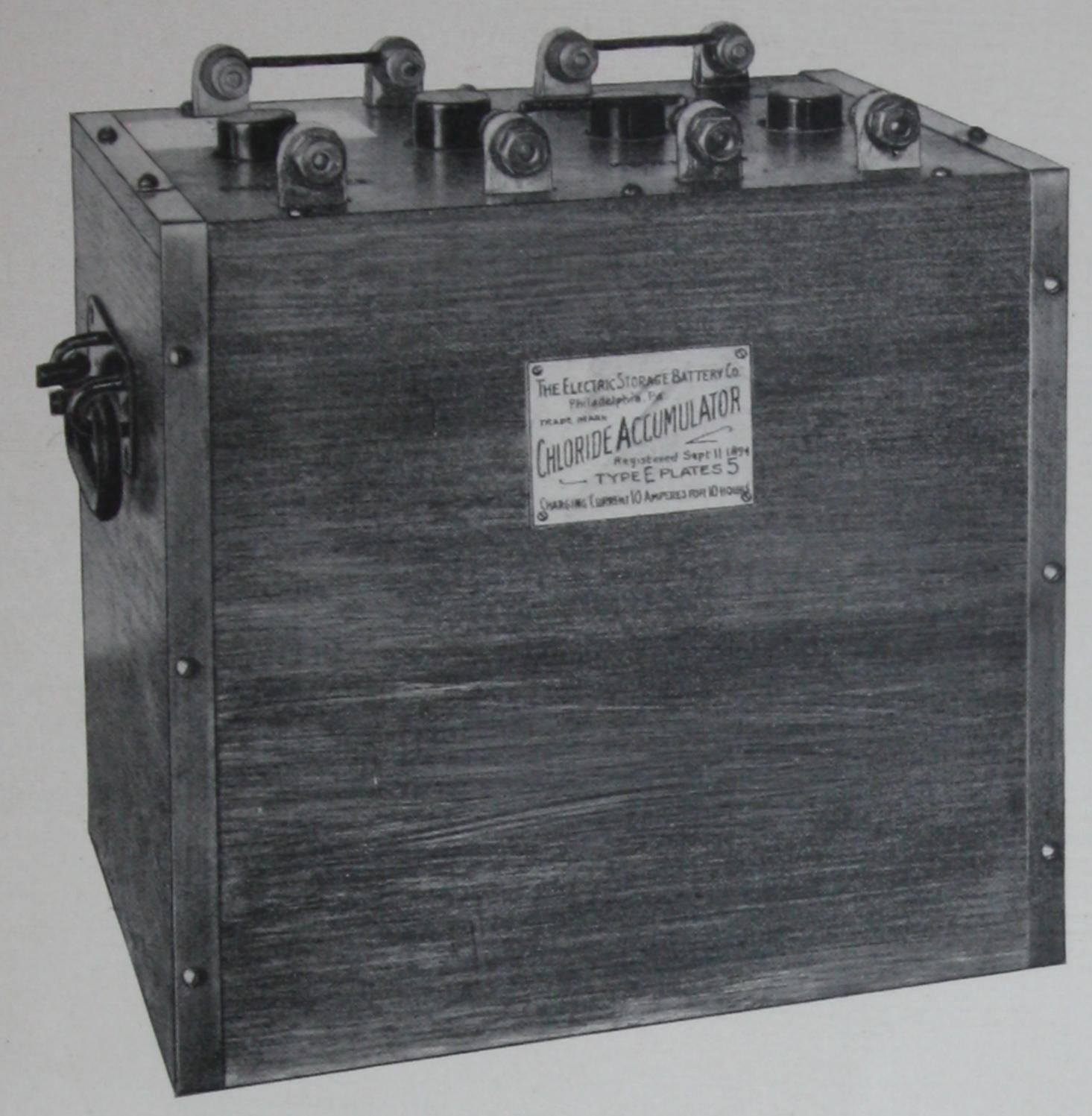
Each cell when discharging gives approximately two volts, and as all the cells in a case are connected together in series, the number of cells multiplied by two will give the approximate voltage between the two outside connectors of each case.

The normal rate is the highest rate in amperes at which the battery should be charged. At this rate the battery will be fully charged in nine hours and discharged in eight hours. At less than normal rates the length of time is increased in both instances and in discharging at more than the normal rate the time is decreased.

With each battery is furnished a folder, giving instructions in detail for its operation and care, which should be followed in order to obtain the most efficient results.

PORTABLE BATTERIES

Cata- logue No.	No. of Cells in Case	Type a Number Plate	er of	Normal Charge and Discharge Rate	Outside Dimensions of Case. Inches	Height Over Lugs, in Inches	Weight Com- plete	Price Complete Charged
001				Amperes	Length Width Heigh		Pounds	
301	1	"C"	3	1 1/4	$3 \times 5\frac{1}{2} \times 10\frac{1}{2}$		8	\$5 00
302	2	"		1 1/4	$4\frac{3}{4} \times 5\frac{1}{2} \times 10\frac{1}{2}$		14	9 00
303 304	3	"		1 1/4	$6\frac{1}{2} \times 5\frac{1}{2} \times 10\frac{1}{2}$		20	12 50
305	5	"		1 1/4	$ \begin{array}{ccccccccccccccccccccccccccccccccc$, ,	26 32	16 00 19 00
401	1	"D"	3	21/2	3½ x 7¾ x 12½		15	6 50
402	2	"		21/2	51/4 x 73/4 x 121/2	133/4	26	12 00
403	3	"		21/2	71/4 x 73/4 x 121/2	133/4	37	16 50
404	4	"		21/2	$9\frac{1}{4} \times 7\frac{3}{4} \times 12\frac{1}{2}$	133/4	48	21 00
405	5			21/2	$11\frac{1}{4} \times 7\frac{3}{4} \times 12\frac{1}{2}$	133/4	59	25 00
406	_	"D" "	5	5	4¼ x 7¾ x 12½	/ 1	24	10 00
407 408	2 3	"		5	7½ x 7¾ x 12½		43	18 00
409	4	66		5 5	1034 x 734 x 121/2		62	26 00
410	5	"		5	14 x 73/4 x 121/2 171/4 x 73/4 x 121/2		81 100	32 00 38 00
411	1	"D"	7	7 1/2	5¼ x 7¾ x 12½		33	12 00
412	2	"		71/2	91/4 x 73/4 x 121/2		58	22 00
413	3	"		7 1/2	131/4 x 73/4 x 121/2		83	30 00
414	4	"		7 1/2	17 1/4 x 73/4 x 12 1/2		108	40 00
415	5	"		7 1/2	21 1/4 x 7 3/4 x 12 1/2		133	50 00
501		"E"	5	10	4¼ x 10 x 14¼	151/2	33 1/2	14 50
502	2	"		10	73/8 x 10 x 141/4		60	28 00
503	3	"		10	10½ x 10 x 14¼		8634	40 00
504	4	"		10	$13\frac{5}{8} \times 10 \times 14\frac{1}{4}$	151/2	1131/4	50 00
505	5			10	16¾ x 10 x 14¼	151/2	140	60 00
506		"E"	7	15	5½ x 10 x 14¼	151/2	421/4	18 00
507	2	"		15	93/4 x 10 x 141/4	151/2	821/2	35 00
508	3	"		15	14 x 10 x 14 1/4	151/2	12234	50 00
509	4			15	17¼ x 10 x 14¼	151/2	163	60 00
510	1	"E"	9	20	6½ x 10 x 14¼	151/2	447/8	21 00
511	1	"E"	11	25	7½ x 10 x 14¼	151/2	531/2	25 00



Type 504. Portable Battery (See page 25)

PACKING CHARGES

In addition to the prices for Elements and Jars, the following net charges will be made for cases and packing:

"B" and "BT" Elements, 2 cents each. "C" and "CT" Elements, 4 "D," "PT" and "ET" Elements, 10 cents each. "E," "ECS" and "ELS" Elements, 15 cents each. "F" Elements, 25 cents each: "F" Plates (knocked down), 3 cents per plate. "G" Plates "R" Plates " "H" Plates " 8 " All Metal Tanks, Types E and F, all sizes, 50 cents each. Lead-lined Wood Tanks, Type F, all sizes, 50 cents each. " G11 to G27 inclusive, 75 cents each. " G 29 to G 39 " \$1.00 each. " G 41 and larger " 1.25 " R 25 to R 39 " 1.25 " R 41 and larger " 1.75 " H 21 to H 39 " " H 41 and larger /" 2.00

Portable Batteries up to 100 pounds weight, 25 cents each; 100 pounds and over, 50 cents each.

Rubber Jars, 5 cents each. Wood Separators, per 100, H, 30c.; R, 23c.; G, 15c.; F, 7c.; E, 5c.; D and smaller, 3½c.

No charge for packing Glass Jars or Glass Tanks. The minimum charge for packing, 25 cents.

PRICES

When ordering note the following:

- (1.) Prices of Elements do not include Rubber Jars, Glass Jars, Tanks, Electrolyte or Connectors.
- (2.) Prices plus packing charges are for delivery F. O. B. cars at works, Allegheny Avenue and Nineteenth Street, Philadelphia.
- (3.) Carboys will be allowed for in full when returned in good condition, charges prepaid, to address furnished by The Electric Storage Battery Company upon application.

We are not liable for damage to goods in transit; our responsibility ceases when we deliver the material in good order to the transportation company; all claims for damage in transit should be made against the carrier.

RENEWALS

Type Elements	Positive	Negative Piates	Rubber Ring Separators	Corrugated and Perforated Rubber Separators	Wood Separators with Dowels
"BT"		./	. /	\$0.09	
B"	\$0.60	\$0.45	\$0.05	.05	
"C"	1.00	7 .70	.06	.07	
'D"	1.26	.85	.07	1.13	\$0.03
"E"	2.10	1.40	.09	,21	.04
"ECS"	2.10	1.40		/	.04
'ELS"	2 80	1.85	-/	./	06
F"	4.00 \	2.80	.12	/	.06
'G''	7.85	5.60			.11
"R"	12.25	8.75			.15
'H''	15.70	11.20			.19
BT" Couples					
'CT" "					
PT" "					
ET" "					3.50

SUNDRY SUPPLIES

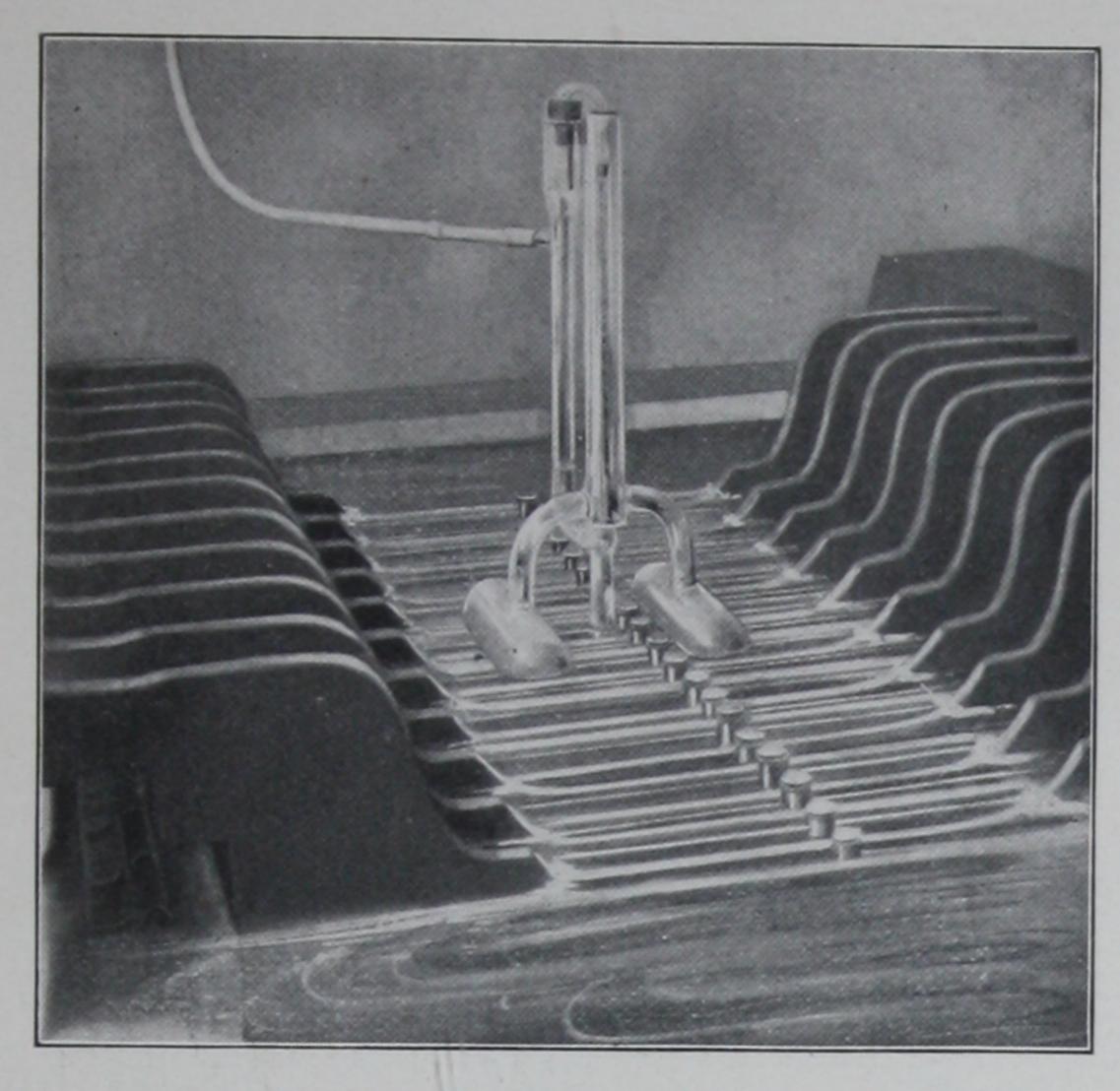


Fig. 1. Automatic Water-Filling Apparatus

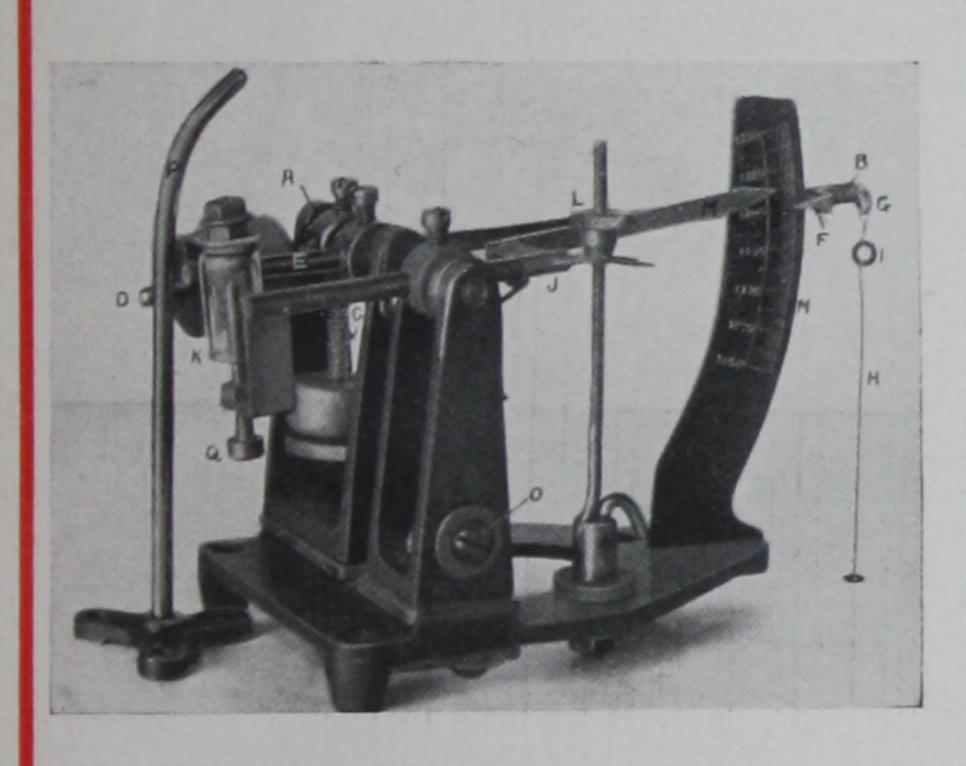


Fig. 2. Signaling Hydrometer

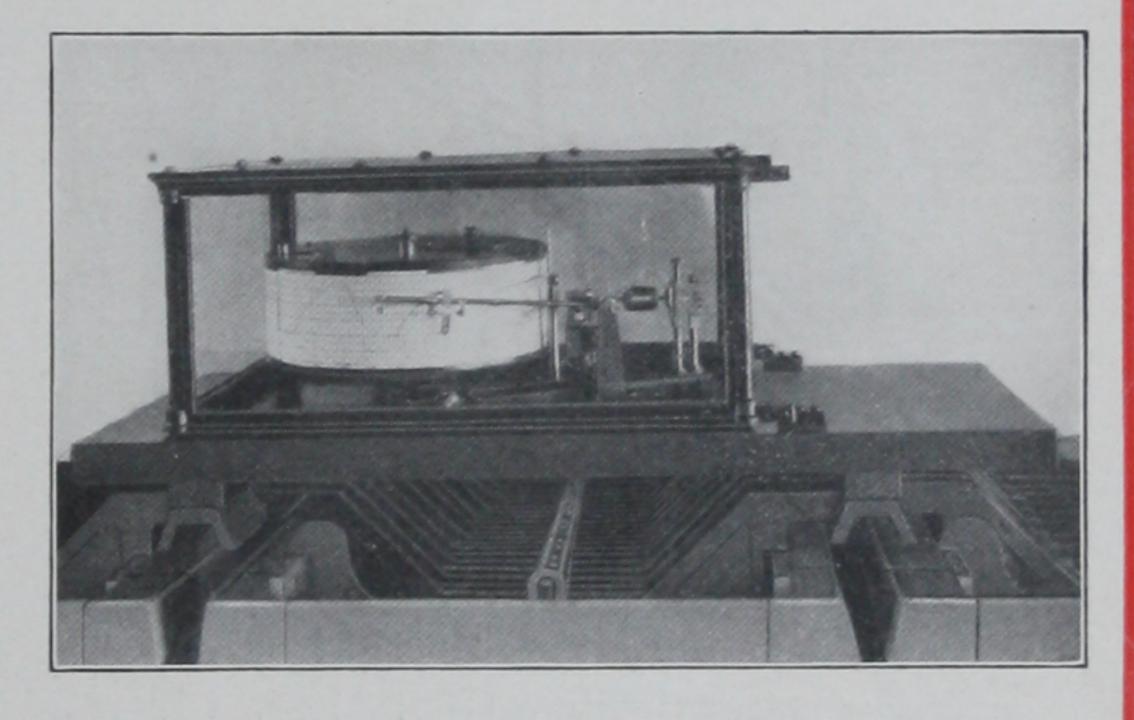


Fig. 3. Recording-Signaling Hydrometer

Automatic Water-Filling Apparatus for Pilot Cells (Fig. 1).		
Complete with 3-gallon Glass Reservoir, Stop Valve and Cover (for "F" Cells, G to 39 Plates, R to 29 Plates and H to 29 Plates) Complete with 5-gallon Glass Reservoir, Stop Valve and Cover	\$10.85	*
(for cells larger than above)	12.60	
of Rubber Tubing. Parts for Automatic Water Filling Apparatus.		
Glass Automatic Water Valve, for Type "F," "G" and "R" Cells,	4.50 5.00	
3-gallon Glass Receptacle complete, with Cover, and Stop Valve,	6.00	
Rubber Tubing for Connecting the Valve	.09	
Signaling Hydrometer complete (Fig. 2)	24.00 75.00	1

SUNDRY SUPPLIES (CONCLUDED)

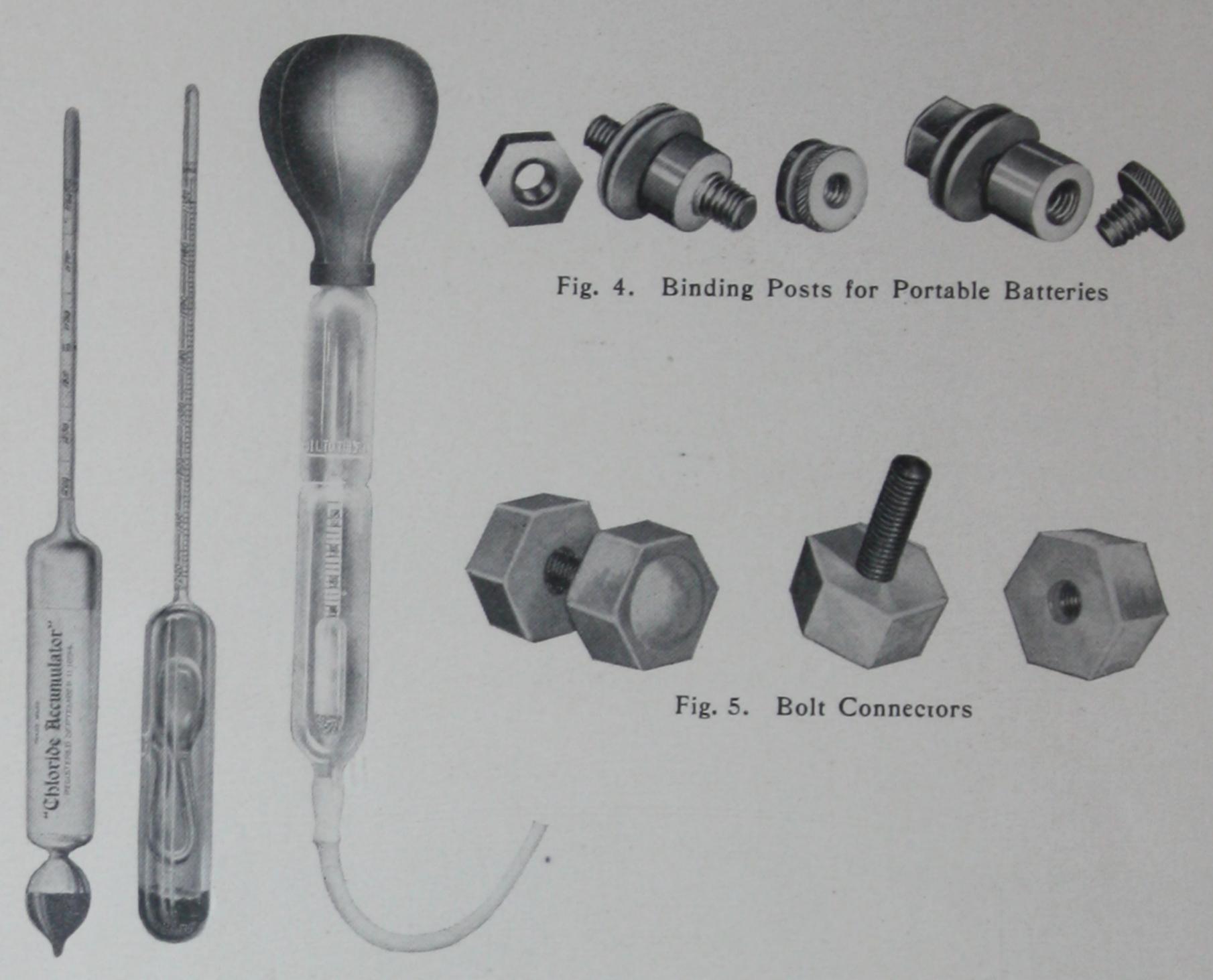


Fig. 1 Fig. 2

Fig. 3

Hydrometers (Fig. 1) each,	\$1.50
Compensating Hydrometers (Fig 2)	6.00
Hydrometer Syringe (Fig. 3)	3.00
Battery Thermometer	1.50
Inspection Lamps, Type "G"	4.50
" "H"	5.00
Phosphor-Bronze Binding Posts for Portable Batteries (Fig. 4), per	
set of two	.60 v
Bolt Connectors (Fig. 5), Types "B," "C" and "D"	.15 v
" "E" and "F""	.20
Sand Trays, wood, for "C" and "D" Elements	.40
" " " E' Elements	.45
" " " F" " in Glass Jars. 9 to 15 inc "	.60
" " " F" 13 and 17 Elements in Glass Tanks "	.80
" " " F" 21 Elements in Glass Tanks . "	1.00
Sealing Compound	.50
Electrolyte per 100 pounds,	3.00 V
Carboys each,	
each,	1.50
0.1	- ,

Earloys In Export at 1

THE ELECTRIC STORAGE BATTERY CO.

General Offices and Works

Allegheny Avenue and Nineteenth Street

PHILADELPHIA

SALES OFFICES

Allegheny Avenue and Nineteenth Street

NEW YORK 100 Broadway

BOSTON

60 State Street

CHICAGO

Marquette Building

PITTSBURGH

Frick Building Annex

ST. LOUIS

Wainwright Building

CLEVELAND

Citizens Building

OAKLAND, CAL.

525 Thirteenth Street

TORONTO, CANADA
The Canadian General Electric Company, Ltd.

THIS LIST SUPERSEDES ALL PREVIOUS ISSUES

Prices Subject to Change Without Notice

We are not liable for damage to goods in transit; our responsibility ceases when we deliver the material in good order to the Transportation Company; all claims for damage in transit should be made against the carrier



[BLANK PAGE]



